

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 2, 2005, 07:06:17 ; Search time 46.1569 Seconds
(without alignments)
779,908 Million cell updates/sec

Title: US-09-909-317-1

Perfect score: 22

Sequence: 1 gattcccatctctctcttttt 22

Scoring table: IDENTITY_NUC

Gapop 10_0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 500 summaries

Database :

Issued Patents NA: *
1: /cgn2_6/ptodata/1/ina/5A_COMB.seq: *
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq: *
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq: *
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq: *
5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq: *
6: /cgn2_6/ptodata/1/ina/backfiles1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	22	100.0	22	3	US-09-280-181B-1
c 2	18.4	83.6	34408	4	US-09-949-016-14010
c 3	17.8	80.9	366	4	US-09-248-796A-10881
c 4	17.8	80.9	601	4	US-09-949-016-80901
c 5	17.8	80.9	601	4	US-09-949-016-111397
c 6	17.8	80.9	711	4	US-09-248-796A-2809
c 7	17.8	80.9	45086	4	US-09-949-016-13408
c 8	17.8	80.9	49378	4	US-09-949-016-14816
c 9	17.8	80.9	199471	4	US-09-949-016-14083
c 10	17.4	79.1	601	4	US-09-949-016-69074
c 11	17.4	79.1	601	4	US-09-949-016-137497
c 12	17.4	79.1	19503	4	US-09-949-016-18528
c 13	17.4	79.1	53336	4	US-09-949-016-12500
c 14	17.4	79.1	53337	4	US-09-949-016-16092
c 15	17.4	79.1	58844	4	US-09-949-016-13769
c 16	17.4	79.1	96739	4	US-09-949-016-15606
c 17	17.2	78.2	429	4	US-09-621-978-9098
c 18	17.2	78.2	813	4	US-09-308-386A-2
c 19	17.2	78.2	1087	3	US-09-372-422A-29
c 20	17.2	78.2	5357	4	US-09-979-765-1
c 21	17.2	78.2	16216	4	US-09-949-016-17377
c 22	17.2	78.2	41454	4	US-09-949-016-17107
c 23	17.2	78.2	46085	4	US-09-949-016-13547
c 24	17.2	78.2	46085	4	US-09-949-016-13548
c 25	17.2	78.2	85122	4	US-09-949-016-14693
c 26	17.2	78.2	98864	4	US-09-949-016-15403
c 27	17.2	78.2	114793	4	US-10-148-806-3
c 28	17.2	78.2	119214	4	US-09-949-016-12507
c 29	17.2	78.2	237863	4	US-09-949-016-13404
c 30	16.8	76.4	170	4	US-09-513-999C-29029
c 31	16.8	76.4	301	2	US-08-332-766A-23
c 32	16.8	76.4	344	2	US-09-513-999C-32790
c 33	16.8	76.4	521	3	US-09-488-744A-10
c 34	16.8	76.4	601	4	US-09-949-016-53550
c 35	16.8	76.4	601	4	US-09-949-016-133079
c 36	16.8	76.4	601	4	US-09-949-016-133080
c 37	16.8	76.4	601	4	US-09-949-016-140928
c 38	16.8	76.4	601	4	US-09-949-016-156380
c 39	16.8	76.4	601	4	US-09-949-016-160881
c 40	16.8	76.4	601	4	US-09-949-016-160882
c 41	16.8	76.4	601	4	US-09-949-016-196595
c 42	16.8	76.4	601	4	US-09-949-016-196596
c 43	16.8	76.4	601	4	US-09-949-016-202254
c 44	16.8	76.4	675	4	US-09-248-796A-2987
c 45	16.8	76.4	865	4	US-09-270-767-4587
c 46	16.8	76.4	865	4	US-09-270-767-19869
c 47	16.8	76.4	955	3	US-09-641-638-17
c 48	16.8	76.4	955	4	US-10-170-097-17
c 49	16.8	76.4	1041	4	US-09-270-767-5221
c 50	16.8	76.4	1041	4	US-09-270-767-20503
c 51	16.8	76.4	2111	4	US-09-949-016-1548
c 52	16.8	76.4	22347	4	US-09-949-016-13290
c 53	16.8	76.4	24553	4	US-09-949-016-16901
c 54	16.8	76.4	32244	4	US-09-949-016-16806
c 55	16.8	76.4	32488	4	US-09-949-016-15490
c 56	16.8	76.4	38920	4	US-09-949-016-17546
c 57	16.8	76.4	43069	4	US-09-292-542A-1
c 58	16.8	76.4	45684	4	US-09-949-016-16539
c 59	16.8	76.4	48135	4	US-09-949-016-17027
c 60	16.8	76.4	77772	4	US-09-949-016-17417
c 61	16.8	76.4	77997	4	US-09-949-016-12249
c 62	16.8	76.4	78649	4	US-09-949-016-14619
c 63	16.8	76.4	78649	4	US-09-949-016-14620
c 64	16.8	76.4	78649	4	US-09-949-016-16220
c 65	16.8	76.4	78649	4	US-09-949-016-16228
c 66	16.8	76.4	79578	4	US-09-949-016-16339
c 67	16.8	76.4	85912	4	US-09-949-016-12362
c 68	16.8	76.4	85913	4	US-09-949-016-16109
c 69	16.8	76.4	94142	4	US-09-949-016-16553
c 70	16.8	76.4	106199	4	US-09-949-016-12393
c 71	16.8	76.4	134292	4	US-09-949-016-12158
c 72	16.8	76.4	143550	4	US-09-949-016-14143
c 73	16.8	76.4	148783	4	US-09-949-016-15729
c 74	16.8	76.4	152655	4	US-09-949-016-16246
c 75	16.8	76.4	157822	4	US-09-949-016-16723
c 76	16.8	76.4	165841	4	US-09-949-016-16192
c 77	16.8	76.4	166698	4	US-09-949-016-16038
c 78	16.8	76.4	360470	4	US-09-949-016-13173
c 79	16.8	76.4	374159	4	US-09-949-016-15868
c 80	16.8	76.4	451924	4	US-09-949-016-12896
c 81	16.8	76.4	451925	4	US-09-949-016-17305
c 82	16.8	76.4	767677	4	US-09-949-016-12147
c 83	16.8	76.4	767677	4	US-09-949-016-17361
c 84	16.4	74.5	2465	3	US-09-423-890-9
c 85	16.4	74.5	2503	1	US-08-472-934-3
c 86	16.4	74.5	2503	1	US-08-472-934-11
c 87	16.4	74.5	2503	2	US-08-323-460A-3
c 88	16.4	74.5	2503	2	US-08-461-146C-3
c 89	16.4	74.5	2503	2	US-08-461-146C-11
c 90	16.4	74.5	2503	3	US-08-461-145C-3
c 91	16.4	74.5	2503	3	US-08-461-145C-11
c 92	16.4	74.5	2503	3	US-08-628-829-5
c 93	16.4	74.5	2503	3	US-08-628-829-7
c 94	16.4	74.5	3276	4	US-09-583-110-1162
c 95	16.4	74.5	3309	4	US-09-107-433-2256
c 96	16.4	74.5	15213	3	US-08-961-527-26
c 97	16.4	74.5	21968	4	US-09-851-985-3
c 98	16.4	74.5	53769	4	US-09-949-016-17527
c 99	16.4	74.5	93398	4	US-09-949-016-14167
c 100	16.2	73.6	601	4	US-09-949-016-18271

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C 247	15.8	71.8	1377	2	US-08-810-572A-1	Sequence 1, Appli	Sequence 1, Appli	320	15.8	71.8	346112	4	US-09-949-016-13165	Sequence 13165, A	
C 248	15.8	71.8	1377	3	US-09-290-333-1	Sequence 1, Appli	Sequence 1, Appli	321	15.8	71.8	363032	4	US-09-949-016-12415	Sequence 12415, A	
C 249	15.8	71.8	1377	4	US-09-782-857A-1	Sequence 1, Appli	Sequence 1, Appli	322	15.8	71.8	363032	4	US-09-949-016-12415	Sequence 12415, A	
C 250	15.8	71.8	1377	4	US-09-879-919-21	Sequence 21, Appli	Sequence 21, Appli	323	15.8	71.8	387902	4	US-09-949-016-14543	Sequence 14543, A	
C 251	15.8	71.8	1564	4	US-09-828-062-4	Sequence 4, Appli	Sequence 4, Appli	324	15.8	71.8	421118	4	US-09-949-016-145297	Sequence 145297, A	
C 252	15.8	71.8	1750	3	US-09-276-531-34	Sequence 34, Appli	Sequence 34, Appli	325	15.8	71.8	421883	4	US-09-949-016-12557	Sequence 12557, A	
C 253	15.8	71.8	1978	1	US-07-753-520B-2	Sequence 2, Appli	Sequence 2, Appli	326	15.8	71.8	455726	4	US-09-949-016-14157	Sequence 14157, A	
C 254	15.8	71.8	2133	3	US-09-488-744A-3	Sequence 3, Appli	Sequence 3, Appli	327	15.8	71.8	462589	4	US-09-949-016-12900	Sequence 12900, A	
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C 257	15.8	71.8	2791	4	US-09-934-634-1	Sequence 1, Appli	Sequence 1, Appli	330	15.8	71.8	670689	4	US-09-949-016-12505	Sequence 12505, A	
C 258	15.8	71.8	3024	4	US-09-957-005-8	Sequence 8, Appli	Sequence 8, Appli	331	15.8	71.8	670690	4	US-09-949-016-14207	Sequence 14207, A	
C 259	15.8	71.8	3794	4	US-09-192-434-1	Sequence 1, Appli	Sequence 1, Appli	332	15.8	71.8	784019	4	US-09-949-016-14033	Sequence 14033, A	
C 260	15.8	71.8	4876	4	US-09-949-016-12790	Sequence 12790, A	Sequence 12790, A	333	15.8	71.8	828152	4	US-09-949-016-12777	Sequence 12777, A	
C 261	15.8	71.8	4877	4	US-09-949-016-12790	Sequence 12790, A	Sequence 12790, A	334	15.8	71.8	828152	4	US-09-949-016-12777	Sequence 12777, A	
C 262	15.8	71.8	5137	4	US-09-171-991-1	Sequence 1, Appli	Sequence 1, Appli	335	15.6	70.9	70.9	273	4	US-09-248-796A-9949	Sequence 9949, Ap
C 263	15.8	71.8	5473	4	US-09-620-312D-260	Sequence 260, App	Sequence 260, App	336	15.6	70.9	70.9	395	4	US-09-513-999C-32163	Sequence 32163, A
C 264	15.8	71.8	6139	4	US-08-843-076D-33	Sequence 33, Appli	Sequence 33, Appli	337	15.6	70.9	70.9	408	4	US-09-489-039A-3003	Sequence 3003, Ap
C 265	15.8	71.8	7379	3	US-09-341-587-5	Sequence 5, Appli	Sequence 5, Appli	338	15.6	70.9	70.9	447	3	US-09-081-320-24	Sequence 24, Appli
C 266	15.8	71.8	8316	1	US-07-753-520B-4	Sequence 4, Appli	Sequence 4, Appli	339	15.6	70.9	70.9	447	3	US-09-574-141A-24	Sequence 24, Appli
C 267	15.8	71.8	9115	1	US-07-753-520B-3	Sequence 3, Appli	Sequence 3, Appli	340	15.6	70.9	70.9	447	3	US-09-707-780-24	Sequence 24, Appli
C 268	15.8	71.8	9369	4	US-09-949-016-17071	Sequence 17071, A	Sequence 17071, A	341	15.6	70.9	70.9	469	4	US-09-568-189A-24	Sequence 24, Appli
C 269	15.8	71.8	9813	4	US-09-949-016-13582	Sequence 13582, A	Sequence 13582, A	342	15.6	70.9	70.9	507	4	US-09-621-976-9964	Sequence 9964, Ap
C 270	15.8	71.8	10695	4	US-09-949-016-13136	Sequence 13136, A	Sequence 13136, A	343	15.6	70.9	70.9	515	3	US-09-489-039A-2736	Sequence 2736, Ap
C 271	15.8	71.8	12951	4	US-09-949-016-16775	Sequence 16775, A	Sequence 16775, A	344	15.6	70.9	70.9	530	4	US-09-276-531-121	Sequence 121, App
C 272	15.8	71.8	14621	4	US-09-949-016-16744	Sequence 16744, A	Sequence 16744, A	345	15.6	70.9	70.9	530	4	US-09-702-705-505	Sequence 505, App
C 273	15.8	71.8	14621	4	US-09-949-016-16744	Sequence 16744, A	Sequence 16744, A	346	15.6	70.9	70.9	530	4	US-09-736-457-505	Sequence 505, App
C 274	15.8	71.8	16302	4	US-09-949-016-17212	Sequence 17212, A	Sequence 17212, A	347	15.6	70.9	70.9	530	4	US-09-614-124B-505	Sequence 505, App
C 275	15.8	71.8	18947	4	US-09-949-016-15106	Sequence 15106, A	Sequence 15106, A	348	15.6	70.9	70.9	530	4	US-09-671-325-505	Sequence 505, App
C 276	15.8	71.8	19253	4	US-09-949-016-15131	Sequence 15131, A	Sequence 15131, A	349	15.6	70.9	70.9	530	4	US-09-589-184-505	Sequence 505, App
C 277	15.8	71.8	23155	4	US-09-949-016-12366	Sequence 12366, A	Sequence 12366, A	350	15.6	70.9	70.9	536	4	US-09-658-824-505	Sequence 505, App
C 278	15.8	71.8	23319	4	US-09-949-016-14407	Sequence 14407, A	Sequence 14407, A	351	15.6	70.9	70.9	540	4	US-09-621-976-17340	Sequence 17340, Ap
C 279	15.8	71.8	28555	4	US-09-949-016-14306	Sequence 14306, A	Sequence 14306, A	352	15.6	70.9	70.9	601	4	US-09-949-016-17715	Sequence 17715, A
C 280	15.8	71.8	34531	4	US-09-949-016-14604	Sequence 14604, A	Sequence 14604, A	353	15.6	70.9	70.9	601	4	US-09-949-016-22201	Sequence 22201, A
C 281	15.8	71.8	40548	4	US-09-949-016-13317	Sequence 13317, A	Sequence 13317, A	354	15.6	70.9	70.9	601	4	US-09-949-016-27429	Sequence 27429, A
C 282	15.8	71.8	40817	4	US-09-949-016-15197	Sequence 15197, A	Sequence 15197, A	355	15.6	70.9	70.9	601	4	US-09-949-016-29172	Sequence 29172, A
C 283	15.8	71.8	40936	4	US-09-949-016-16607	Sequence 16607, A	Sequence 16607, A	356	15.6	70.9	70.9	601	4	US-09-949-016-31119	Sequence 31119, A
C 284	15.8	71.8	40936	4	US-09-949-016-16607	Sequence 16607, A	Sequence 16607, A	357	15.6	70.9	70.9	601	4	US-09-949-016-31119	Sequence 31119, A
C 285	15.8	71.8	41589	4	US-09-949-016-12867	Sequence 12867, A	Sequence 12867, A	358	15.6	70.9	70.9	601	4	US-09-949-016-33990	Sequence 33990, A
C 286	15.8	71.8	41593	4	US-09-949-016-15666	Sequence 15666, A	Sequence 15666, A	359	15.6	70.9	70.9	601	4	US-09-949-016-38675	Sequence 38675, A
C 287	15.8	71.8	51273	4	US-09-949-016-13018	Sequence 13018, A	Sequence 13018, A	360	15.6	70.9	70.9	601	4	US-09-949-016-38676	Sequence 38676, A
C 288	15.8	71.8	51822	4	US-09-949-016-15233	Sequence 15233, A	Sequence 15233, A	361	15.6	70.9	70.9	601	4	US-09-949-016-42971	Sequence 42971, A
C 289	15.8	71.8	53526	3	US-08-658-136-2	Sequence 2, Appli	Sequence 2, Appli	362	15.6	70.9	70.9	601	4	US-09-949-016-45238	Sequence 45238, A
C 290	15.8	71.8	53577	3	US-08-658-136-1	Sequence 1, Appli	Sequence 1, Appli	363	15.6	70.9	70.9	601	4	US-09-949-016-47357	Sequence 47357, A
C 291	15.8	71.8	56594	4	US-09-949-016-12568	Sequence 12568, A	Sequence 12568, A	364	15.6	70.9	70.9	601	4	US-09-949-016-51308	Sequence 51308, A
C 292	15.8	71.8	56702	4	US-09-949-016-15423	Sequence 15423, A	Sequence 15423, A	365	15.6	70.9	70.9	601	4	US-09-949-016-68671	Sequence 68671, A
C 293	15.8	71.8	58133	4	US-09-949-016-15423	Sequence 15423, A	Sequence 15423, A	366	15.6	70.9	70.9	601	4	US-09-949-016-68672	Sequence 68672, A
C 294	15.8	71.8	62776	4	US-09-949-016-17576	Sequence 17576, A	Sequence 17576, A	367	15.6	70.9	70.9	601	4	US-09-949-016-69295	Sequence 69295, A
C 295	15.8	71.8	71645	4	US-09-949-016-12126	Sequence 12126, A	Sequence 12126, A	368	15.6	70.9	70.9	601	4	US-09-949-016-108542	Sequence 108542, A
C 296	15.8	71.8	71651	4	US-09-949-016-17258	Sequence 17258, A	Sequence 17258, A	369	15.6	70.9	70.9	601	4	US-09-949-016-117166	Sequence 117166, A
C 297	15.8	71.8	76164	4	US-09-949-016-12388	Sequence 12388, A	Sequence 12388, A	370	15.6	70.9	70.9	601	4	US-09-949-016-117872	Sequence 117872, A
C 298	15.8	71.8	76165	4	US-09-949-016-14005	Sequence 14005, A	Sequence 14005, A	371	15.6	70.9	70.9	601	4	US-09-949-016-117873	Sequence 117873, A
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C 301	15.8	71.8	85869	4	US-09-949-016-12017	Sequence 12017, A	Sequence 12017, A	374	15.6	70.9	70.9	601	4	US-09-949-016-117976	Sequence 117976, A
C 302	15.8	71.8	85878	4	US-09-949-016-16321	Sequence 16321, A	Sequence 16321, A	375	15.6	70.9	70.9	601	4	US-09-949-016-117977	Sequence 117977, A
C 303	15.8	71.8	87190	4	US-09-949-016-16335	Sequence 16335, A	Sequence 16335, A	376	15.6	70.9	70.9	601	4	US-09-949-016-118028	Sequence 118028, A
C 304	15.8	71.8	89625	4	US-09-949-016-17012	Sequence 17012, A	Sequence 17012, A	377	15.6	70.9	70.9	601	4	US-09-949-016-118029	Sequence 118029, A
C 305	15.8	71.8	102409	4	US-09-949-016-15148	Sequence 15148, A	Sequence 15148, A	378	15.6	70.9	70.9	601	4	US-09-949-016-121476	Sequence 121476, A
C 306	15.8	71.8	106450	4	US-09-949-016-13873	Sequence 13873, A	Sequence 13873, A	379	15.6	70.9	70.9	601	4	US-09-949-016-122171	Sequence 122171, A
C 307	15.8	71.8	109690	4	US-09-949-016-13525	Sequence 13525, A	Sequence 13525, A	380	15.6	70.9	70.9	601	4	US-09-949-016-122716	Sequence 122716, A
C 308	15.8	71.8	131332	4	US-09-949-016-15535	Sequence 15535, A	Sequence 15535, A	381	15.6	70.9	70.9	601	4	US-09-949-016-122718	Sequence 122718, A
C 309	15.8	71.8	137753	4	US-09-949-016-17404	Sequence 17404, A	Sequence 17404, A	382	15.6	70.9	70.9	601	4	US-09-949-016-122728	Sequence 122728, A
C 310	15.8	71.8	152331	3	US-09-128-155-16	Sequence 16, Appli	Sequence 16, Appli	383	15.6	70.9	70.9	601	4	US-09-949-016-122729	Sequence 122729, A
C 311	15.8	71.8	165841	4	US-09-949-016-16192	Sequence 16192, A	Sequence 16192, A	384	15.6	70.9	70.9	601	4	US-09-949-016-122730	Sequence 122730, A
C 312	15.8	71.8	176373	3	US-09-128-155-17	Sequence 17, Appli	Sequence 17, Appli	385	15.6	70.9	70.9	601	4	US-09-949-016-124610	Sequence 124610, A
C 313	15.8	71.8	187136	4	US-09-949-016-17231	Sequence 17231, A	Sequence 17231, A	386	15.6	70.9	70.9	601	4	US-09-949-016-125037	Sequence 125037, A
C 314	15.8	71.8	247299	4	US-09-949-016-17590	Sequence 17590, A	Sequence 17590, A	387	15.6	70.9	70.9	601	4	US-09-949-016-125038	Sequence 125038, A
C 315	15.8	71.8	2												

; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14010
; LENGTH: 34408
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..- (34408)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14010

Query Match 83.6%; Score 18.4; DB 4; Length 34408;
Best Local Similarity 95.0%; Pred. No. 1e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 TTCCCAATCTCTCTTTCTTT 22
|||||
DB 1839 TTCCCAATCTCTCTTTCTTT 1820

RESULT 3
US-09-248-796A-10881
; Sequence 10881, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICANS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 10881
; LENGTH: 366
; TYPE: DNA
; ORGANISM: Candida albicans
US-09-248-796A-10881

Query Match 80.9%; Score 17.8; DB 4; Length 366;
Best Local Similarity 90.5%; Pred. No. 1.1e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 ATTCCCAATCTCTCTTTCTTT 22
|||||
DB 138 ATTCCCAATCTCTTTCTTT 158

RESULT 4
US-09-949-016-80901
; Sequence 80901, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 80901
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-80901

Query Match 80.9%; Score 17.8; DB 4; Length 601;
Best Local Similarity 90.5%; Pred. No. 1.2e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 ATTCCCAATCTCTTTCTTT 22
|||||
DB 227 ATTCCCAATCTCTTTCTTT 247

RESULT 5
US-09-949-016-111397/c
; Sequence 111397, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 111397
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-111397

Query Match 80.9%; Score 17.8; DB 4; Length 601;
Best Local Similarity 90.5%; Pred. No. 1.2e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 ATTCCCAATCTCTTTCTTT 22
|||||
DB 36 ATTCCCAATCTCTTTCTTT 16

RESULT 6
US-09-248-796A-2809/c
; Sequence 2809, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICANS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13

; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 2809
; LENGTH: 711
; TYPE: DNA
; ORGANISM: Candida albicans
US-09-248-796A-2809

Query Match 80.9%; Score 17.8; DB 4; Length 711;
Best Local Similarity 90.5%; Pred. No. 1.2e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 ATTCCCATCTCTCTTTCTTT 22
|||||
DB 600 ATTCCCATCTCTTTCTTT 580

RESULT 7
US-09-949-016-14816
; Sequence 14816, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14816
; LENGTH: 45086
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-14816

Query Match 80.9%; Score 17.8; DB 4; Length 45086;
Best Local Similarity 90.5%; Pred. No. 1.9e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 ATTCCCATCTCTCTTTCTTT 22
|||||
DB 30163 ATTCCCATCTCTTTCTTT 30183

RESULT 8
US-09-949-016-13408
; Sequence 13408, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13408
; LENGTH: 49378

; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13408

Query Match 80.9%; Score 17.8; DB 4; Length 49378;
Best Local Similarity 90.5%; Pred. No. 2e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 ATTCCCATCTCTCTTTCTTT 22
|||||
DB 5375 ATTCCCATCTCTTTCTTT 5395

RESULT 9
US-09-949-016-14083/c
; Sequence 14083, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14083
; LENGTH: 199471
; TYPE: DNA
; ORGANISM: Human
; NAME/KEY: misc feature
; LOCATION: (1)-(199471)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14083

Query Match 80.9%; Score 17.8; DB 4; Length 199471;
Best Local Similarity 90.5%; Pred. No. 2.3e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 ATTCCCATCTCTCTTTCTTT 22
|||||
DB 25857 ATTCCCATCTCTCTTTCTTT 25837

RESULT 10
US-09-949-016-69074/c
; Sequence 69074, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 69074
; LENGTH: 601
; TYPE: DNA

; ORGANISM: Human
US-09-949-016-69074

Query Match 79.1%; Score 17.4; DB 4; Length 601;
Best Local Similarity 94.7%; Pred. No. 1.8e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 ATTCCCATCTCTCTTCT 20
|||||
DB 331 ATTCCCATCTCTCTTCT 313

RESULT 11

US-09-949-016-137497/c
; Sequence 137497, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 137497
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-137497

Query Match 79.1%; Score 17.4; DB 4; Length 601;
Best Local Similarity 94.7%; Pred. No. 1.8e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GATCCCATCTCTCTTTC 19
|||||
DB 539 GATCCCATCTCTCTTTC 521

RESULT 12

US-09-949-016-16528/c
; Sequence 16528, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16528
; LENGTH: 19503
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16528

Query Match 79.1%; Score 17.4; DB 4; Length 19503;
Best Local Similarity 94.7%; Pred. No. 2.6e+02;

Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 4 TCCCATCTCTCTTCTTT 22
|||||
DB 3766 TCCCATCTCTCTTCTTT 3748

RESULT 13

US-09-949-016-12500
; Sequence 12500, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12500
; LENGTH: 53336
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-12500

Query Match 79.1%; Score 17.4; DB 4; Length 53336;
Best Local Similarity 94.7%; Pred. No. 2.9e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 TCCCATCTCTCTTCTTT 22
|||||
DB 8772 TCCCATCTCTCTTCTTT 8790

RESULT 14

US-09-949-016-16092
; Sequence 16092, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16092
; LENGTH: 53337
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16092

Query Match 79.1%; Score 17.4; DB 4; Length 53337;
Best Local Similarity 94.7%; Pred. No. 2.9e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 TCCCATCTCTCTTCTTT 22
|||||
DB 8772 TCCCATCTCTCTTCTTT 8790

RESULT 15
US-09-949-016-13769
; Sequence 13769, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13769
; LENGTH: 58844
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13769

Query Match 79.1%; Score 17.4; DB 4; Length 58844;
Best Local Similarity 94.7%; Pred. No. 3e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 ATTCCCATCTCTCTTCT 20
|||||
DB 16891 ATTCCCATCTCTCTCT 16909

RESULT 16
US-09-949-016-15606/c
; Sequence 15606, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15606
; LENGTH: 96739
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(96739)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15606

Query Match 79.1%; Score 17.4; DB 4; Length 96739;
Best Local Similarity 94.7%; Pred. No. 3.1e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GATTCCTCTCTCTTCT 19
|||||
DB 35830 GATTCCTCTCTCTTCT 35812

RESULT 17
US-09-621-976-9098/c
; Sequence 9098, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 9098
; LENGTH: 429
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-9098

Query Match 78.2%; Score 17.2; DB 4; Length 429;
Best Local Similarity 86.4%; Pred. No. 2.1e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GATTCCTCTCTCTTCTT 22
|||||
DB 412 GATTCCTCTCTGATTC 391

RESULT 18
US-09-308-386A-2
; Sequence 2, Application US/09308386A
; Patent No. 6605704
; GENERAL INFORMATION:
; APPLICANT: Tatsuo, SUGIYAMA et al.
; TITLE OF INVENTION: PLANT REGULATOR PROTEIN AND NUCLEIC ACID CODING FOR THE SAME
; FILE REFERENCE: 0760-0266P
; CURRENT APPLICATION NUMBER: US/09/308,386A
; CURRENT FILING DATE: 1999-07-21
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 813
; TYPE: DNA
; ORGANISM: Maize
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (76)..(546)
US-09-308-386A-2

Query Match 78.2%; Score 17.2; DB 4; Length 813;
Best Local Similarity 86.4%; Pred. No. 2.2e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GATTCCTCTCTCTTCTT 22
|||||
DB 599 GATTCCTCTCTTCTT 620

RESULT 19
US-09-372-422A-29/c
; Sequence 29, Application US/09372422A
; Patent No. 6313375
; GENERAL INFORMATION:
; APPLICANT: Rudolf Jung
; APPLICANT: Francois Barrieu
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
; FILE REFERENCE: 0919
; CURRENT APPLICATION NUMBER: US/09/372,422A
; CURRENT FILING DATE: 1999-08-11
; PRIOR APPLICATION NUMBER: US 60/098,692
; PRIOR FILING DATE: 1998-08-31

; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 29
; LENGTH: 1087
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (125)...(872)
US-09-372-422A-29

Query Match 78.2%; Score 17.2; DB 3; Length 1087;
Best Local Similarity 86.4%; Pred. No. 2.3e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GATTCCTCCATCTCTCTTTCTTT 22
Db 134 GCTTCCCATCTCTCTCTCTCT 113

RESULT 20
US-09-979-765-1/c

; Sequence 1, Application US/09979765
; Patent No. 6794154
; GENERAL INFORMATION:
; APPLICANT: Masaya YAMANOUCHI
; APPLICANT: Hiromi HASE
; APPLICANT: Akiko HONDA
; APPLICANT: Takeshi SUGAYA
; TITLE OF INVENTION: Therapeutic Agents for Renal Diseases and Method for Screening th
; FILE REFERENCE: 0020-4935P
; CURRENT APPLICATION NUMBER: US/09/979,765
; PRIOR FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: JP 99-147635
; PRIOR FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: JP 99-266425
; PRIOR FILING DATE: 1999-09-21
; NUMBER OF SEQ ID NOS: 1
; SEQ ID NO 1
; LENGTH: 5357
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (4767)...(4835)
; NAME/KEY: Intron
; LOCATION: (4836)...
; NAME/KEY: TATA signal
; LOCATION: (4691)...(4697)
; NAME/KEY: misc signal
; LOCATION: (4136)...(4141)
; OTHER INFORMATION: GATA_signal
; NAME/KEY: misc binding
; LOCATION: (4654)...(4659)
; OTHER INFORMATION: peroxisome proliferator responsive element (PPRE)
; NAME/KEY: misc binding
; LOCATION: (4661)...(4666)
; OTHER INFORMATION: peroxisome proliferator responsive element (PPRE)
; NAME/KEY: misc binding
; LOCATION: (4544)...(4551)
; OTHER INFORMATION: hepatic nuclear factor (HNF) binding-site
; NAME/KEY: misc binding
; LOCATION: (3758)...(3765)
; OTHER INFORMATION: hypoxia inducible factor (HIF) binding-site
US-09-979-765-1

Query Match 78.2%; Score 17.2; DB 4; Length 5357;
Best Local Similarity 86.4%; Pred. No. 2.8e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GATTCCTCCATCTCTCTTTCTTT 22
Db 2415 GAATCCCATCCATCTTTCTTT 2394

RESULT 21

US-09-949-016-17377
; Sequence 17377, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17377
; LENGTH: 16216
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(16216)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-17377

Query Match 78.2%; Score 17.2; DB 4; Length 16216;
Best Local Similarity 86.4%; Pred. No. 3.1e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GATTCCTCCATCTCTCTTTCTTT 22
Db 7642 GAGACCCCATCTCTCTCTTT 7663

RESULT 22

US-09-949-016-17107/c
; Sequence 17107, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17107
; LENGTH: 41454
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-17107

Query Match 78.2%; Score 17.2; DB 4; Length 41454;
Best Local Similarity 86.4%; Pred. No. 3.5e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GATTCCTCCATCTCTCTTTCTTT 22
Db 13391 GAGACCCCATCTCTATTCTTT 13370

```
RESULT 23
US-09-949-016-13547/c
; Sequence 13547, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13547
; LENGTH: 46085
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(46085)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13547

Query Match      78.2%; Score 17.2; DB 4; Length 46085;
Best Local Similarity 86.4%; Pred. No. 3.5e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GATTCCTCATCTCTCTCTTT 22
Db 1423 GTTCCCTCTCTCTCTCTTT 1402

RESULT 24
US-09-949-016-13548/c
; Sequence 13548, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13548
; LENGTH: 46085
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(46085)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13548

Query Match      78.2%; Score 17.2; DB 4; Length 46085;
Best Local Similarity 86.4%; Pred. No. 3.5e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GATTCCTCATCTCTCTCTTT 22
```

```
Db 1423 GTTCCCTCTCTCTCTTT 1402

RESULT 25
US-09-949-016-14693/c
; Sequence 14693, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14693
; LENGTH: 85122
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(85122)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14693

Query Match      78.2%; Score 17.2; DB 4; Length 85122;
Best Local Similarity 86.4%; Pred. No. 3.7e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GATTCCTCATCTCTCTTT 22
Db 19568 GATTCCTATCTCTCTTT 19547

RESULT 26
US-09-949-016-15403/c
; Sequence 15403, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15403
; LENGTH: 98864
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(98864)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15403

Query Match      78.2%; Score 17.2; DB 4; Length 98864;
Best Local Similarity 86.4%; Pred. No. 3.8e+02;
```


FEATURE:
NAME/KEY: misc_feature
LOCATION: 72
OTHER INFORMATION: r=a or g
FEATURE:
NAME/KEY: misc_feature
LOCATION: 89
OTHER INFORMATION: s=g or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: 146
OTHER INFORMATION: r=a or g
FEATURE:
NAME/KEY: misc_feature
LOCATION: 147
OTHER INFORMATION: m=a or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: 152
OTHER INFORMATION: r=a or g
FEATURE:
NAME/KEY: misc_feature
LOCATION: 153
OTHER INFORMATION: r=a or g
FEATURE:
NAME/KEY: misc_feature
LOCATION: 170
OTHER INFORMATION: s=g or c
US-09-513-999C-29029

Query Match 76.4%; Score 16.8; DB 4; Length 170;
Best Local Similarity 75.0%; Pred. No. 2.8e+02;
Matches 15; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTTCTTT 22
|||||:|||||:
Db 162 TTCCCATCTCTCTTTCTTT 143

RESULT 31
US-08-332-766A-23/c
Sequence 23, Application US/08332766A
Patent No. 5843647
GENERAL INFORMATION:
APPLICANT: JEFFREYS, Alec J.
APPLICANT: ARMOUR, John
TITLE OF INVENTION: SIMPLE TANDEM REPEATS
NUMBER OF SEQUENCES: 125
CORRESPONDENCE ADDRESS:
ADDRESSER: CUSHMAN DABBY & CUSHMAN, L.L.P.
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/332,766A
FILING DATE: 01-NOV-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9326052.9
FILING DATE: 21-DEC-1993
ATTORNEY/AGENT INFORMATION:
NAME: BIRD, Donald J.
REGISTRATION NUMBER: 25,323
REFERENCE/DOCKET NUMBER: 217211/M94/0434/GB
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 861-3000

TELEFAX: (202) 822-0944
TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 301 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-332-766A-23

Query Match 76.4%; Score 16.8; DB 2; Length 301;
Best Local Similarity 90.0%; Pred. No. 3e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTTCTTT 22
|||||:|||||:
Db 117 TTCCCATCTCTCTTTCTTT 98

RESULT 32
US-09-513-999C-32790
Sequence 32790, Application US/09513999C
Patent No. 6783961
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Duclert, A.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
Patent No. 6783961
FILE REFERENCE: 59.US2.REG
CURRENT APPLICATION NUMBER: US/09/513,999C
CURRENT FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/122,487
PRIOR FILING DATE: 1999-02-26
NUMBER OF SEQ ID NOS: 36681
SOFTWARE: Patent.pm
SEQ ID NO 32790
LENGTH: 344
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 102
OTHER INFORMATION: s=g or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: 107
OTHER INFORMATION: r=a or g
FEATURE:
NAME/KEY: misc_feature
LOCATION: 109
OTHER INFORMATION: r=a or g
FEATURE:
NAME/KEY: misc_feature
LOCATION: 110
OTHER INFORMATION: h=a or c or t
FEATURE:
NAME/KEY: misc_feature
LOCATION: 172
OTHER INFORMATION: k=g or t
US-09-513-999C-32790

Query Match 76.4%; Score 16.8; DB 4; Length 344;
Best Local Similarity 90.0%; Pred. No. 3e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 ATTCCCATCTCTTTCTTT 21
|||||:|||||:
Db 59 ATTCCCATCTCTTTCTTT 78

RESULT 33

US-09-488-744A-10/c
; Sequence 10, Application US/09488744A
; Patent No. 6287860
; GENERAL INFORMATION:

; APPLICANT: Brett P. Monia
; APPLICANT: William Gaarde
; APPLICANT: Donna T. Ward
; APPLICANT: Susan M. Freier
; APPLICANT: Jacqueline Wyatt

; TITLE OF INVENTION: ANTISENSE MODULATION OF MEK2 EXPRESSION

; FILE REFERENCE: RTS-0108

; CURRENT APPLICATION NUMBER: US/09/488,744A

; CURRENT FILING DATE: 2000-01-20

; NUMBER OF SEQ ID NOS: 88

; SEQ ID NO 10

; LENGTH: 521

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (1)...(240)

US-09-488-744A-10

Query Match 76.4%; Score 16.8; DB 3; Length 521;

Best Local Similarity 90.0%; Pred. No. 3.2e+02;

Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 3 TTCCCATCTCTCTTTCTTT 22

Db 341 TCCCATCTCTCTTTCTTT 322

RESULT 34

US-09-949-016-53550

; Sequence 53550, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 53550

; LENGTH: 601

; TYPE: DNA

; ORGANISM: Human

US-09-949-016-53550

Query Match 76.4%; Score 16.8; DB 4; Length 601;

Best Local Similarity 90.0%; Pred. No. 3.2e+02;

Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 3 TTCCCATCTCTCTTTCTTT 22

Db 138 TTCCCATCTCTTTCTTT 157

RESULT 35

US-09-949-016-133079

; Sequence 133079, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 133079

; LENGTH: 601

; TYPE: DNA

; ORGANISM: Human

US-09-949-016-133079

Query Match 76.4%; Score 16.8; DB 4; Length 601;

Best Local Similarity 90.0%; Pred. No. 3.2e+02;

Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 3 TTCCCATCTCTCTTTCTTT 22

Db 400 TTCCCATCTCTCTTTCTTT 419

RESULT 36

US-09-949-016-133080

; Sequence 133080, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 133080

; LENGTH: 601

; TYPE: DNA

; ORGANISM: Human

US-09-949-016-133080

Query Match 76.4%; Score 16.8; DB 4; Length 601;

Best Local Similarity 90.0%; Pred. No. 3.2e+02;

Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 3 TTCCCATCTCTCTTTCTTT 22

Db 158 TTCCCATCTCTCTTTCTTT 177

RESULT 37

US-09-949-016-140928

; Sequence 140928, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 140928
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-140928

Query Match 76.4%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 3.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTCTTTCTTT 22
|||||
Db 470 TTCCCATCTCTCTCTTTCTTT 489
|||||

RESULT 38
US-09-949-016-156380
; Sequence 156380, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 156380
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-156380

Query Match 76.4%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 3.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 ATTCCCATCTCTCTTTCTTT 21
|||||
Db 444 ATTCCCATCTCTCTTTCTTT 463
|||||

RESULT 39
US-09-949-016-160881/c
; Sequence 160881, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 160881
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-160881

Query Match 76.4%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 3.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTTCTTT 22
|||||
Db 328 TTCCCATCTCTTTTCTTT 309
|||||

RESULT 40
US-09-949-016-160882/c
; Sequence 160882, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 160882
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-160882

Query Match 76.4%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 3.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTTCTTT 22
|||||
Db 226 TTCCCATCTCTTTTCTTT 207
|||||

RESULT 41
US-09-949-016-196595
; Sequence 196595, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 196595
; LENGTH: 601
; TYPE: DNA

```
; ORGANISM: Human
US-09-949-016-196595

Query Match
Best Local Similarity 76.4%; Score 16.8; DB 4; Length 601;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTTCTTT 22
   ||||| ||||| ||||| |||||
Db 276 TTCCCTCTCTCTTTCTTT 295

RESULT 42
US-09-949-016-196596
; Sequence 196596, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 196596
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-196596

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Db 128 TTCCCTCTCTCTTTCTTT 147

RESULT 43
US-09-949-016-202254/c
; Sequence 202254, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 202254
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-202254

Query Match
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Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Db 155 TCCCCCTCTCTCTTTCTTT 136

RESULT 44
US-09-248-796A-2987/c
; Sequence 2987, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICANS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 2987
; LENGTH: 675
; TYPE: DNA
; ORGANISM: Candida albicans
US-09-248-796A-2987

Query Match
Best Local Similarity 76.4%; Score 16.8; DB 4; Length 675;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Db 305 TTCCCATCTCTCTTTCTTT 286

RESULT 45
US-09-270-767-4587
; Sequence 4587, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4587
; LENGTH: 865
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-4587

Query Match
Best Local Similarity 76.4%; Score 16.8; DB 4; Length 865;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTTCTTT 22
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Db 764 TTCCCATCTGACTTTCTTT 783

RESULT 46
US-09-270-767-19869
; Sequence 19869, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
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; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 19869
; LENGTH: 865
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-19869

Query Match 76.4%; Score 16.8; DB 4; Length 865;
Best Local Similarity 90.0%; Pred. No. 3.4e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTCTTT 22
DB 764 TTCCCATCTGACTTCTTT 783

RESULT 47
US-09-641-638-17
; Sequence 17, Application US/09641638
; Patent No. 6432648
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Chumakov, Ilya
; APPLICANT: Cohen, Annick
; TITLE OF INVENTION: BIALLELIC MARKERS DERIVED FROM GENOMIC REGIONS CARRYING
; FILE REFERENCE: GENSET.051CPI
; CURRENT APPLICATION NUMBER: US/09/641,638
; CURRENT FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: US 09/502,330
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: US 60/133,200
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: US 09/275,267
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: US 60/119,917
; PRIOR FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 1304
; SOFTWARE: Patent.pm
; SEQ ID NO 17
; LENGTH: 955
; TYPE: DNA
; ORGANISM: Homo Sapiens
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; NAME/KEY: allele
; LOCATION: 478
; OTHER INFORMATION: 10-33-327 : polymorphic base C or T
; NAME/KEY: misc_binding
; LOCATION: 459..477
; OTHER INFORMATION: 10-33-327.mis1
; NAME/KEY: misc_binding
; LOCATION: 479..498
; OTHER INFORMATION: 10-33-327.mis2, potential complement
; NAME/KEY: primer_bind
; LOCATION: 152..170
; OTHER INFORMATION: upstream amplification primer
; NAME/KEY: primer_bind
; LOCATION: 553..571
; OTHER INFORMATION: downstream amplification primer, complement
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; LOCATION: 466..490
; OTHER INFORMATION: 10-33-327 potential probe
US-09-641-638-17

Query Match 76.4%; Score 16.8; DB 3; Length 955;
Best Local Similarity 90.0%; Pred. No. 3.4e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTT 22

DB 895 TTCCCATCTCTCTTT 914

RESULT 48
US-10-170-097-17
; Sequence 17, Application US/10170097
; Patent No. 6794143
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Chumakov, Ilya
; APPLICANT: Cohen, Annick
; TITLE OF INVENTION: BIALLELIC MARKERS DERIVED FROM GENOMIC REGIONS CARRYING
; FILE REFERENCE: GEN-T114XC2D1
; CURRENT APPLICATION NUMBER: US/10/170,097
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: US 09/641,638
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: US 09/502,330
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: US 60/133,200
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: US 09/275,267
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: US 60/119,917
; PRIOR FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 1304
; SOFTWARE: Patent.pm
; SEQ ID NO 17
; LENGTH: 955
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 478
; OTHER INFORMATION: 10-33-327 : polymorphic base C or T
; NAME/KEY: misc_binding
; LOCATION: 459..477
; OTHER INFORMATION: 10-33-327.mis1
; NAME/KEY: misc_binding
; LOCATION: 479..498
; OTHER INFORMATION: 10-33-327.mis2, potential complement
; NAME/KEY: primer_bind
; LOCATION: 152..170
; OTHER INFORMATION: upstream amplification primer
; NAME/KEY: primer_bind
; LOCATION: 553..571
; OTHER INFORMATION: downstream amplification primer, complement
; NAME/KEY: misc_binding
; LOCATION: 466..490
; OTHER INFORMATION: 10-33-327 potential probe
US-10-170-097-17

Query Match 76.4%; Score 16.8; DB 4; Length 955;
Best Local Similarity 90.0%; Pred. No. 3.4e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTT 22
DB 895 TTCCCATCTCTCTTT 914

RESULT 49
US-09-270-767-5221/c
; Sequence 5221, Application US/09270767
; Patent No. 6703491

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; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5221
; LENGTH: 1041
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-5221
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Query Match 76.4%; Score 16.8; DB 4; Length 1041;
Best Local Similarity 90.0%; Pred. No. 3.4e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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RESULT 50
US-09-270-767-20503/c
; Sequence 20503, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 20503
; LENGTH: 1041
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-20503
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Query Match 76.4%; Score 16.8; DB 4; Length 1041;
Best Local Similarity 90.0%; Pred. No. 3.4e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 3 TTCCCATCTCTCTTTCTTT 22
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 2, 2005, 07:14:13 ; Search time 195.124 Seconds
(without alignments)
693.114 Million cell updates/sec

Title: US-09-909-317-1

Perfect score: 22

Sequence: 1 gattcccatctctctctttt 22

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Gapop 10_0 , Gapext 1.0

Searched: 5706582 seqs, 3073711274 residues

Total number of hits satisfying chosen parameters: 11413164

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	20	90.9	650	17	US-10-027-632-190184
4	19	86.4	32189	9	US-09-764-878-379
5	19	86.4	32189	14	US-10-079-854-379
6	19	86.4	32221	9	US-09-764-878-377
7	19	86.4	32221	14	US-10-079-854-377
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9	18.8	85.5	1334	17	US-10-183-687-23
10	18.4	83.6	284	17	US-10-424-599-92893
11	18.4	83.6	1309	17	US-10-424-599-59036

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c 13	18.4	83.6	6351	17	US-10-221-613-191	Sequence 191, Appl
c 14	18.4	83.6	23695	18	US-10-433-793-11	Sequence 11, Appl
c 15	18.4	83.6	23695	19	US-10-741-600-17886	Sequence 17886, A
c 16	18.4	83.6	127678	19	US-10-461-862-9	Sequence 9, Appl
c 17	18.4	83.6	189817	18	US-10-741-601-5660	Sequence 5660, Ap
c 18	18.4	83.6	189817	19	US-10-741-600-17685	Sequence 17685, A
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c 20	18	81.8	500	17	US-10-085-783A-26433	Sequence 26433, A
c 21	18	81.8	73764	18	US-10-741-601-5616	Sequence 5616, Ap
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c 25	17.8	80.9	571	13	US-10-027-632-206915	Sequence 206915, A
c 26	17.8	80.9	571	17	US-10-027-632-206913	Sequence 206913, A
c 27	17.8	80.9	571	17	US-10-027-632-206915	Sequence 206915, A
c 28	17.8	80.9	571	18	US-10-425-115-48053	Sequence 48053, A
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c 30	17.8	80.9	1143	17	US-10-027-632-206914	Sequence 206914, A
c 31	17.8	80.9	7819	15	US-10-311-455-1925	Sequence 1925, Ap
c 32	17.8	80.9	7819	15	US-10-240-485-159	Sequence 159, App
c 33	17.8	80.9	20158	18	US-10-719-993-6760	Sequence 6760, Ap
c 34	17.8	80.9	49600	17	US-10-459-262A-3	Sequence 3, Appl
c 35	17.8	80.9	91552	17	US-10-415-058-5	Sequence 5, Appl
c 36	17.8	80.9	96595	11	US-09-987-722-43	Sequence 43, Appl
c 37	17.8	80.9	2940917	13	US-10-027-632-174763	Sequence 174763, A
c 38	17.8	80.9	2940917	17	US-10-027-632-174763	Sequence 174763, A
c 39	17.4	79.1	201	19	US-10-741-600-26828	Sequence 26828, A
c 40	17.4	79.1	720	13	US-10-027-632-101998	Sequence 101998, A
c 41	17.4	79.1	720	17	US-10-027-632-101998	Sequence 101998, A
c 42	17.4	79.1	1386	17	US-10-424-599-94947	Sequence 94947, A
c 43	17.4	79.1	1420	18	US-10-767-701-12634	Sequence 12634, A
c 44	17.4	79.1	1446	17	US-10-203-319A-22	Sequence 22, Appl
c 45	17.4	79.1	1446	17	US-10-203-319A-24	Sequence 24, Appl
c 46	17.4	79.1	1651	9	US-09-938-842A-2730	Sequence 2730, Ap
c 47	17.4	79.1	1651	11	US-09-938-842A-2730	Sequence 2730, Ap
c 48	17.4	79.1	3903	14	US-10-103-313-631	Sequence 631, App
c 49	17.4	79.1	24579	18	US-10-719-993-6891	Sequence 6891, Ap
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c 52	17.4	79.1	47903	18	US-10-322-281-808	Sequence 808, App
c 53	17.4	79.1	49589	18	US-10-322-281-814	Sequence 814, App
c 54	17.4	79.1	55404	13	US-10-087-192-661	Sequence 661, App
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c 65	17.2	78.2	448	14	US-10-091-572-147	Sequence 147, App
c 66	17.2	78.2	510	10	US-09-770-961-216	Sequence 216, App
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c 75	17.2	78.2	565	10	US-09-918-995-9207	Sequence 9207, Ap
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c 78	17.2	78.2	601	13	US-10-027-632-93128	Sequence 93128, A
c 79	17.2	78.2	601	17	US-10-027-632-93128	Sequence 93128, A
c 80	17.2	78.2	604	17	US-10-021-323-83151	Sequence 83151, A
c 81	17.2	78.2	604	18	US-10-021-323-83151	Sequence 83151, A
c 82	17.2	78.2	620	13	US-10-027-632-98436	Sequence 98436, A
c 83	17.2	78.2	620	17	US-10-027-632-98436	Sequence 98436, A
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C 93	17.2	78.2	760	18	US-10-425-115-98524	Sequence 98524, A	C 166	16.8	76.4	326	14	US-10-091-504-2023	Sequence 2023, A
C 94	17.2	78.2	780	17	US-10-425-114-27510	Sequence 27510, A	C 167	16.8	76.4	326	17	US-10-227-577-2023	Sequence 2023, A
C 95	17.2	78.2	793	18	US-10-767-795-4287	Sequence 4287, A	C 168	16.8	76.4	330	9	US-09-764-869-397	Sequence 397, A
C 96	17.2	78.2	796	13	US-10-027-632-128807	Sequence 128807, A	C 169	16.8	76.4	330	14	US-10-091-504-397	Sequence 397, A
C 97	17.2	78.2	796	17	US-10-027-632-128807	Sequence 128807, A	C 170	16.8	76.4	330	17	US-10-227-577-397	Sequence 397, A
C 98	17.2	78.2	817	18	US-10-425-115-36285	Sequence 36285, A	C 171	16.8	76.4	355	18	US-10-425-115-135070	Sequence 135070, A
C 99	17.2	78.2	933	9	US-09-938-842A-1355	Sequence 1355, A	C 172	16.8	76.4	395	18	US-10-437-963-26241	Sequence 26241, A
C 100	17.2	78.2	933	11	US-09-938-842A-1355	Sequence 1355, A	C 173	16.8	76.4	396	19	US-10-829-674-616	Sequence 616, A
C 101	17.2	78.2	1025	18	US-10-425-115-36284	Sequence 36284, A	C 174	16.8	76.4	396	19	US-10-830-477-616	Sequence 616, A
C 102	17.2	78.2	1044	18	US-10-767-795-4285	Sequence 4285, A	C 175	16.8	76.4	399	9	US-09-764-869-2022	Sequence 2022, A
C 103	17.2	78.2	1064	18	US-10-767-795-4150	Sequence 4150, A	C 176	16.8	76.4	399	14	US-10-091-504-2022	Sequence 2022, A
C 104	17.2	78.2	1126	18	US-10-739-930-2338	Sequence 2338, A	C 177	16.8	76.4	399	17	US-10-227-577-2022	Sequence 2022, A
C 105	17.2	78.2	1189	18	US-10-425-115-14853	Sequence 14853, A	C 178	16.8	76.4	442	18	US-10-674-124A-9280	Sequence 9280, A
C 106	17.2	78.2	2496	18	US-10-437-963-64963	Sequence 64963, A	C 179	16.8	76.4	452	10	US-09-918-995-15043	Sequence 15043, A
C 107	17.2	78.2	3021	18	US-10-437-963-55779	Sequence 55779, A	C 180	16.8	76.4	472	17	US-10-242-535A-41012	Sequence 41012, A
C 108	17.2	78.2	3205	9	US-09-764-878-213	Sequence 213, A	C 181	16.8	76.4	472	17	US-10-085-783A-41012	Sequence 41012, A
C 109	17.2	78.2	3205	14	US-10-079-854-213	Sequence 213, A	C 182	16.8	76.4	521	17	US-10-181-856-10	Sequence 10, A
C 110	17.2	78.2	3213	9	US-09-764-878-214	Sequence 214, A	C 183	16.8	76.4	529	17	US-10-424-599-12785	Sequence 12785, A
C 111	17.2	78.2	3213	14	US-10-079-854-214	Sequence 214, A	C 184	16.8	76.4	531	18	US-10-425-115-139602	Sequence 139602, A
C 112	17.2	78.2	4970	9	US-09-764-877-3747	Sequence 3747, A	C 185	16.8	76.4	533	13	US-10-027-632-268831	Sequence 268831, A
C 113	17.2	78.2	4970	17	US-10-242-515-3747	Sequence 3747, A	C 186	16.8	76.4	533	17	US-10-027-632-268831	Sequence 268831, A
C 114	17.2	78.2	5357	18	US-10-809-395-1	Sequence 1, A	C 187	16.8	76.4	549	16	US-10-029-386-4004	Sequence 4004, A
C 115	17.2	78.2	11051	10	US-09-764-891-9384	Sequence 9384, A	C 188	16.8	76.4	572	13	US-10-027-632-42975	Sequence 42975, A
C 116	17.2	78.2	11051	15	US-10-205-4281-830	Sequence 830, A	C 189	16.8	76.4	572	17	US-10-027-632-42975	Sequence 42975, A
C 117	17.2	78.2	11557	9	US-09-764-856-103	Sequence 103, A	C 190	16.8	76.4	582	13	US-10-027-632-65776	Sequence 65776, A
C 118	17.2	78.2	11557	9	US-09-764-856-104	Sequence 104, A	C 191	16.8	76.4	582	17	US-10-027-632-65776	Sequence 65776, A
C 119	17.2	78.2	11557	10	US-09-764-891-9063	Sequence 9063, A	C 192	16.8	76.4	586	9	US-09-864-761-8738	Sequence 8738, A
C 120	17.2	78.2	11557	10	US-09-764-891-9064	Sequence 9064, A	C 193	16.8	76.4	591	13	US-10-027-632-315528	Sequence 315528, A
C 121	17.2	78.2	11557	11	US-09-764-856-103	Sequence 103, A	C 194	16.8	76.4	591	13	US-10-027-632-313592	Sequence 313592, A
C 122	17.2	78.2	11557	11	US-09-764-856-103	Sequence 103, A	C 195	16.8	76.4	591	17	US-10-027-632-54528	Sequence 54528, A
C 123	17.2	78.2	11557	14	US-10-102-627-104	Sequence 103, A	C 196	16.8	76.4	591	17	US-10-027-632-313592	Sequence 313592, A
C 124	17.2	78.2	11557	14	US-10-102-627-104	Sequence 104, A	C 197	16.8	76.4	598	18	US-10-357-930-55784	Sequence 55784, A
C 125	17.2	78.2	1843	9	US-09-764-869-2396	Sequence 2396, A	C 198	16.8	76.4	605	13	US-10-027-632-45971	Sequence 45971, A
C 126	17.2	78.2	1843	14	US-10-091-504-2396	Sequence 2396, A	C 199	16.8	76.4	605	17	US-10-027-632-45971	Sequence 45971, A
C 127	17.2	78.2	15843	17	US-10-227-577-2396	Sequence 2396, A	C 200	16.8	76.4	606	13	US-10-027-632-47622	Sequence 47622, A
C 128	17.2	78.2	15843	17	US-10-227-577-2396	Sequence 2396, A	C 201	16.8	76.4	606	13	US-10-027-632-47622	Sequence 47622, A
C 129	17.2	78.2	16774	9	US-09-764-869-2395	Sequence 2395, A	C 202	16.8	76.4	606	13	US-10-027-632-47622	Sequence 47622, A
C 130	17.2	78.2	16774	9	US-09-764-869-2398	Sequence 2398, A	C 203	16.8	76.4	606	13	US-10-027-632-68918	Sequence 68918, A
C 131	17.2	78.2	16774	14	US-10-091-504-2395	Sequence 2395, A	C 204	16.8	76.4	606	13	US-10-027-632-68919	Sequence 68919, A
C 132	17.2	78.2	16774	14	US-10-091-504-2398	Sequence 2398, A	C 205	16.8	76.4	606	13	US-10-027-632-294729	Sequence 294729, A
C 133	17.2	78.2	16774	17	US-10-227-577-2395	Sequence 2395, A	C 206	16.8	76.4	606	13	US-10-027-632-294730	Sequence 294730, A
C 134	17.2	78.2	17150	18	US-10-087-192-406	Sequence 406, A	C 207	16.8	76.4	606	17	US-10-027-632-47622	Sequence 47622, A
C 135	17.2	78.2	31652	13	US-10-087-192-406	Sequence 406, A	C 208	16.8	76.4	606	17	US-10-027-632-68918	Sequence 68918, A
C 136	17.2	78.2	40136	13	US-10-087-192-808	Sequence 808, A	C 209	16.8	76.4	606	17	US-10-027-632-68919	Sequence 68919, A
C 137	17.2	78.2	42863	15	US-10-017-161-1017	Sequence 1017, A	C 210	16.8	76.4	606	17	US-10-027-632-294729	Sequence 294729, A
C 138	17.2	78.2	42863	17	US-10-292-798-865	Sequence 865, A	C 211	16.8	76.4	606	17	US-10-027-632-294730	Sequence 294730, A
C 139	17.2	78.2	49513	18	US-10-741-601-5613	Sequence 5613, A	C 212	16.8	76.4	612	13	US-10-027-632-80855	Sequence 80855, A
C 140	17.2	78.2	49513	19	US-10-741-601-5613	Sequence 5613, A	C 213	16.8	76.4	612	13	US-10-027-632-315229	Sequence 315229, A
C 141	17.2	78.2	104451	18	US-10-322-281-82	Sequence 82, A	C 214	16.8	76.4	612	17	US-10-027-632-80855	Sequence 80855, A
C 142	17.2	78.2	104451	18	US-10-322-281-137	Sequence 137, A	C 215	16.8	76.4	612	17	US-10-027-632-315229	Sequence 315229, A
C 143	17.2	78.2	114793	15	US-10-148-806-3	Sequence 3, A	C 216	16.8	76.4	615	13	US-10-027-632-279	Sequence 279, A
C 144	17.2	78.2	166910	17	US-10-292-337-11	Sequence 11, A	C 217	16.8	76.4	615	17	US-10-027-632-279	Sequence 279, A
C 145	17.2	78.2	176930	18	US-10-741-601-5679	Sequence 5679, A	C 218	16.8	76.4	637	13	US-10-027-632-179739	Sequence 179739, A
C 146	17.2	78.2	176930	19	US-10-741-600-17725	Sequence 17725, A	C 219	16.8	76.4	637	13	US-10-027-632-221202	Sequence 221202, A
C 147	17.2	78.2	220860	17	US-10-684-190-3	Sequence 3, A	C 220	16.8	76.4	637	17	US-10-027-632-179739	Sequence 179739, A
C 148	17.2	78.2	713059	13	US-10-027-632-174581	Sequence 174581, A	C 221	16.8	76.4	637	17	US-10-027-632-221202	Sequence 221202, A
C 149	17.2	78.2	713059	17	US-10-027-632-174581	Sequence 174581, A	C 222	16.8	76.4	650	13	US-10-027-632-210363	Sequence 210363, A
C 150	17.2	78.2	786452	18	US-10-719-993-6822	Sequence 6822, A	C 223	16.8	76.4	650	17	US-10-027-632-210363	Sequence 210363, A
C 151	17.2	77.3	390	9	US-09-960-352-4219	Sequence 4297, A	C 224	16.8	76.4	689	13	US-10-027-632-255387	Sequence 255387, A
C 152	17.2	77.3	433	9	US-09-960-352-2139	Sequence 2139, A	C 225	16.8	76.4	689	17	US-10-027-632-255387	Sequence 255387, A
C 153	17.2	77.3	553	13	US-10-027-632-141264	Sequence 141264, A	C 226	16.8	76.4	691	17	US-10-425-114-9409	Sequence 9409, A
C 154	17.2	77.3	553	17	US-10-027-632-141264	Sequence 141264, A	C 227	16.8	76.4	691	17	US-10-425-114-9409	Sequence 9409, A
C 155	17.2	77.3	858	17	US-10-424-599-130336	Sequence 130336, A	C 228	16.8	76.4	698	13	US-10-027-632-287371	Sequence 287371, A
C 156	17.2	77.3	2022	18	US-10-437-963-100088	Sequence 100088, A	C 229	16.8	76.4	698	17	US-10-027-632-287371	Sequence 287371, A
C 157	16.8	76.4	203	18	US-10-674-124A-2184	Sequence 2184, A	C 230	16.8	76.4	703	17	US-10-424-599-70156	Sequence 70156, A

231	16.8	76.4	709	13	US-10-027-632-287370	Sequence 287370,	c 304	16.8	76.4	30192	18	US-10-741-601-5669	Sequence 5669, Ap
232	16.8	76.4	709	13	US-10-027-632-287372	Sequence 287372,	c 305	16.8	76.4	30192	19	US-10-741-600-17700	Sequence 17700, A
233	16.8	76.4	709	13	US-10-027-632-287370	Sequence 287370,	c 306	16.8	76.4	30128	19	US-10-741-600-17759	Sequence 17959, A
234	16.8	76.4	709	17	US-10-027-632-287372	Sequence 287372,	c 307	16.8	76.4	38641	18	US-10-322-281-535	Sequence 535, App
235	16.8	76.4	713	13	US-10-027-632-104094	Sequence 104094,	c 308	16.8	76.4	41540	13	US-10-087-192-721	Sequence 721, App
236	16.8	76.4	713	13	US-10-027-632-324330	Sequence 324330,	c 309	16.8	76.4	42772	13	US-10-087-192-1903	Sequence 1903, Ap
237	16.8	76.4	713	17	US-10-027-632-104094	Sequence 104094,	c 310	16.8	76.4	42969	18	US-10-719-993-6845	Sequence 6845, Ap
238	16.8	76.4	713	17	US-10-027-632-324330	Sequence 324330,	c 311	16.8	76.4	42968	18	US-10-719-993-6832	Sequence 6832, Ap
239	16.8	76.4	752	13	US-10-027-632-144654	Sequence 144654,	c 312	16.8	76.4	54786	17	US-10-052-482-211	Sequence 211, App
240	16.8	76.4	752	13	US-10-027-632-144655	Sequence 144655,	c 313	16.8	76.4	54785	17	US-10-221-714A-519	Sequence 519, App
241	16.8	76.4	752	17	US-10-027-632-144654	Sequence 144654,	c 314	16.8	76.4	63686	13	US-10-087-192-466	Sequence 466, App
242	16.8	76.4	752	17	US-10-027-632-144655	Sequence 144655,	c 315	16.8	76.4	63686	13	US-10-087-192-466	Sequence 466, App
243	16.8	76.4	770	18	US-10-425-115-44254	Sequence 44254, A	c 316	16.8	76.4	68824	18	US-10-719-993-7036	Sequence 7036, Ap
244	16.8	76.4	772	13	US-10-027-632-154381	Sequence 154381,	c 317	16.8	76.4	68824	18	US-10-719-993-7036	Sequence 7036, Ap
245	16.8	76.4	772	13	US-10-027-632-154382	Sequence 154382,	c 318	16.8	76.4	75729	19	US-10-741-601-5649	Sequence 5649, Ap
246	16.8	76.4	772	13	US-10-027-632-154381	Sequence 154381,	c 319	16.8	76.4	75729	19	US-10-741-601-5649	Sequence 5649, Ap
247	16.8	76.4	772	17	US-10-027-632-154382	Sequence 154382,	c 320	16.8	76.4	75729	19	US-10-741-601-5649	Sequence 5649, Ap
248	16.8	76.4	775	17	US-10-027-632-129509	Sequence 129509,	c 321	16.8	76.4	75729	19	US-10-741-601-5649	Sequence 5649, Ap
249	16.8	76.4	775	17	US-10-027-632-129509	Sequence 129509,	c 322	16.8	76.4	75729	19	US-10-741-601-5649	Sequence 5649, Ap
250	16.8	76.4	778	13	US-10-027-632-172884	Sequence 172884,	c 323	16.8	76.4	75729	19	US-10-741-601-5649	Sequence 5649, Ap
251	16.8	76.4	778	13	US-10-027-632-172885	Sequence 172885,	c 324	16.8	76.4	75729	19	US-10-741-601-5649	Sequence 5649, Ap
252	16.8	76.4	778	13	US-10-027-632-172886	Sequence 172886,	c 325	16.8	76.4	75729	19	US-10-741-601-5649	Sequence 5649, Ap
253	16.8	76.4	778	17	US-10-027-632-172886	Sequence 172886,	c 326	16.8	76.4	75729	19	US-10-741-601-5649	Sequence 5649, Ap
254	16.8	76.4	778	17	US-10-027-632-172886	Sequence 172886,	c 327	16.8	76.4	75729	19	US-10-741-601-5649	Sequence 5649, Ap
255	16.8	76.4	818	13	US-10-027-632-144656	Sequence 144656,	c 328	16.8	76.4	75729	19	US-10-741-601-5649	Sequence 5649, Ap
256	16.8	76.4	818	17	US-10-027-632-144656	Sequence 144656,	c 329	16.4	74.5	201	19	US-10-741-600-47107	Sequence 47107, A
257	16.8	76.4	848	13	US-10-027-632-159262	Sequence 159262,	c 330	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
258	16.8	76.4	848	17	US-10-027-632-159262	Sequence 159262,	c 331	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
259	16.8	76.4	955	17	US-10-170-097-17	Sequence 17, Appl	c 332	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
260	16.8	76.4	955	17	US-10-170-097-17	Sequence 17, Appl	c 333	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
261	16.8	76.4	963	13	US-10-027-632-121575	Sequence 121575,	c 334	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
262	16.8	76.4	963	17	US-10-027-632-121575	Sequence 121575,	c 335	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
263	16.8	76.4	964	17	US-10-424-599-108628	Sequence 108628,	c 336	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
264	16.8	76.4	1014	17	US-10-424-599-23472	Sequence 23472, A	c 337	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
265	16.8	76.4	1071	17	US-10-027-632-1441	Sequence 1441, Ap	c 338	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
266	16.8	76.4	1159	13	US-10-027-632-118073	Sequence 118073,	c 339	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
267	16.8	76.4	1159	17	US-10-027-632-118073	Sequence 118073,	c 340	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
268	16.8	76.4	1449	18	US-10-767-701-12954	Sequence 12954, A	c 341	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
269	16.8	76.4	1770	17	US-10-369-493-41341	Sequence 41341, A	c 342	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
270	16.8	76.4	1938	13	US-10-027-632-213439	Sequence 213439,	c 343	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
271	16.8	76.4	1938	17	US-10-027-632-213439	Sequence 213439,	c 344	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
272	16.8	76.4	2000	17	US-10-260-238-1926	Sequence 1926, Ap	c 345	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
273	16.8	76.4	2000	17	US-10-260-238-2282	Sequence 2282, Ap	c 346	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
274	16.8	76.4	2000	17	US-10-260-238-5980	Sequence 5980, Ap	c 347	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
275	16.8	76.4	2074	15	US-10-084-817-207	Sequence 207, App	c 348	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
276	16.8	76.4	2113	9	US-09-880-107-2411	Sequence 2411, Ap	c 349	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
277	16.8	76.4	2113	10	US-09-873-367C-449	Sequence 449, App	c 350	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
278	16.8	76.4	2113	18	US-10-717-597-229	Sequence 229, App	c 351	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
279	16.8	76.4	2113	18	US-10-370-715B-735	Sequence 735, App	c 352	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
280	16.8	76.4	2113	19	US-10-843-641A-449	Sequence 449, App	c 353	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
281	16.8	76.4	2146	18	US-10-425-115-112010	Sequence 112010,	c 354	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
282	16.8	76.4	2380	9	US-09-836-392-5	Sequence 5, Appli	c 355	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
283	16.8	76.4	2479	16	US-10-133-013-256	Sequence 256, App	c 356	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
284	16.8	76.4	2566	16.8	US-10-723-860-5365	Sequence 5365, App	c 357	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
285	16.8	76.4	3059	13	US-10-027-632-116028	Sequence 116028,	c 358	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
286	16.8	76.4	3059	13	US-10-027-632-116028	Sequence 116028,	c 359	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
287	16.8	76.4	3059	17	US-10-027-632-116028	Sequence 116028,	c 360	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
288	16.8	76.4	3059	17	US-10-027-632-116028	Sequence 116028,	c 361	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
289	16.8	76.4	3451	13	US-10-027-632-115204	Sequence 115204,	c 362	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
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297	16.8	76.4	15941	17	US-10-380-935-31	Sequence 31, Appl	c 370	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
298	16.8	76.4	15941	17	US-10-380-935-35	Sequence 35, Appl	c 371	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
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301	16.8	76.4	27485	18	US-10-322-281-196	Sequence 196, App	c 374	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
302	16.8	76.4	27954	18	US-10-741-601-5751	Sequence 5751, App	c 375	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A
303	16.8	76.4	27954	19	US-10-741-600-17911	Sequence 17911, A	c 376	16.4	74.5	201	19	US-10-741-600-59928	Sequence 59928, A

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378	16.4	74.5	86574	17	US-10-775-169-173	Sequence 173, App	451	16.2	73.6	594	16	US-10-029-386-9962	Sequence 9962, Ap
379	16.4	74.5	99973	17	US-10-085-117-109	Sequence 109, App	c 452	16.2	73.6	594	17	US-10-027-632-89798	Sequence 89798, A
380	16.4	74.5	116792	13	US-10-087-192-1090	Sequence 1090, App	c 453	16.2	73.6	594	17	US-10-027-632-317253	Sequence 317253,
c 381	16.4	74.5	126001	17	US-10-175-492-13	Sequence 13, Appl	c 454	16.2	73.6	597	18	US-10-021-323-12958	Sequence 12958, A
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c 383	16.4	74.5	231914	19	US-10-741-600-17654	Sequence 17654, A	c 456	16.2	73.6	598	13	US-10-027-632-92960	Sequence 92960, A
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c 394	16.2	73.6	243	18	US-10-425-115-146955	Sequence 146955, A	c 467	16.2	73.6	619	13	US-10-027-632-272913	Sequence 272913,
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c 396	16.2	73.6	279	17	US-10-609-021-65	Sequence 65, Appl	c 469	16.2	73.6	628	13	US-10-027-632-290181	Sequence 290181,
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c 402	16.2	73.6	384	18	US-10-437-963-73939	Sequence 73939, Ap	c 475	16.2	73.6	643	17	US-10-027-632-42809	Sequence 42809, A
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c 404	16.2	73.6	389	14	US-10-062-727-397	Sequence 397, App	c 477	16.2	73.6	650	17	US-10-678-521-72	Sequence 72, Appl
c 405	16.2	73.6	400	9	US-09-770-423-797	Sequence 797, App	c 478	16.2	73.6	650	18	US-10-468-488-132	Sequence 132, App
c 406	16.2	73.6	402	10	US-09-918-995-37299	Sequence 37299, A	c 479	16.2	73.6	672	18	US-10-767-795-2250	Sequence 2250, Ap
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c 414	16.2	73.6	452	13	US-10-027-632-43397	Sequence 43397, A	c 487	16.2	73.6	738	13	US-10-027-632-139516	Sequence 139516,
c 415	16.2	73.6	452	13	US-10-027-632-43398	Sequence 43398, A	c 488	16.2	73.6	738	17	US-10-027-632-139515	Sequence 139515,
c 416	16.2	73.6	452	17	US-10-027-632-43397	Sequence 43397, A	c 489	16.2	73.6	738	17	US-10-027-632-139516	Sequence 139516,
c 417	16.2	73.6	452	17	US-10-027-632-43398	Sequence 43398, A	c 490	16.2	73.6	752	13	US-10-027-632-139516	Sequence 139516,
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c 419	16.2	73.6	464	9	US-09-864-761-4558	Sequence 4558, Ap	c 492	16.2	73.6	761	13	US-10-027-632-144633	Sequence 144633,
c 420	16.2	73.6	472	17	US-10-242-535A-34808	Sequence 34808, A	c 493	16.2	73.6	761	13	US-10-027-632-144634	Sequence 144634,
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c 429	16.2	73.6	553	13	US-10-027-632-277460	Sequence 277460, A							
c 430	16.2	73.6	553	13	US-10-027-632-277461	Sequence 277461, A							
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c 443	16.2	73.6	591	13	US-10-027-632-69674	Sequence 69674, A							
c 444	16.2	73.6	591	13	US-10-027-632-294556	Sequence 294556, A							
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c 447	16.2	73.6	591	17	US-10-027-632-294557	Sequence 294557, A							
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ALIGNMENTS

RESULT 1

US-09-909-317-1
; Sequence 1, Application US/09909317
; Publication No. US20040152075A1
; GENERAL INFORMATION:
; APPLICANT: Betty P. Tsao (Inventor)
; APPLICANT: Rita M. Cantor (Inventor)
; APPLICANT: Jerome I. Rotter (Inventor)
; TITLE OF INVENTION: Genetic Marker Test for Lupus
; FILE REFERENCE: 18810-82152
; CURRENT APPLICATION NUMBER: US/09/909,317
; CURRENT FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: 09/280,181
; PRIOR FILING DATE: 1999-03-29
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1

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; LENGTH: 22
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-317-1

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Best Local Similarity 100.0%; Pred. No. 6.3;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 GATTCCTCCATCTCTCTTTCTTT 22

RESULT 2
US-10-027-632-190184/c
; Sequence 190184, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827,129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 190184
; LENGTH: 650
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-027-632-190184

Query Match      90.9%; Score 20; DB 13; Length 650;
Best Local Similarity 100.0%; Pred. No. 52;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 161 TTCCCATCTCTCTTTCTTT 142

RESULT 3
US-10-027-632-190184/c
; Sequence 190184, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827,129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
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; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 190184
; LENGTH: 650
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-027-632-190184

Query Match      90.9%; Score 20; DB 17; Length 650;
Best Local Similarity 100.0%; Pred. No. 52;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 TTCCCATCTCTCTTTCTTT 22
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Db 161 TTCCCATCTCTCTTTCTTT 142

RESULT 4
US-09-764-878-379/c
; Sequence 379, Application US/09764878
; Patent No. US20020090615A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA121
; CURRENT APPLICATION NUMBER: US/09/764,878
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 379
; LENGTH: 32189
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-878-379

Query Match      86.4%; Score 19; DB 9; Length 32189;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 19817 TCCCATCTCTCTTTCTTT 19799

RESULT 5
US-10-079-854-379/c
; Sequence 379, Application US/10079854
; Publication No. US20030054368A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA121C1
; CURRENT APPLICATION NUMBER: US/10/079,854
; CURRENT FILING DATE: 2002-02-22
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 379
; LENGTH: 32189
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-079-854-379

Query Match      86.4%; Score 19; DB 14; Length 32189;
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Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 TCCCCATCTCTCTTTCTTT 22
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Db 19817 TCCCCATCTCTCTTTCTTT 19799

RESULT 6

US-09-764-878-377/c
; Sequence 377, Application US/09764878
; Patent No. US20020090615A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA121
; CURRENT APPLICATION NUMBER: US/09/764,878
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 377
; LENGTH: 32221
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (7464)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-764-878-377

Query Match 86.4%; Score 19; DB 9; Length 32221;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 19848 TCCCCATCTCTTTCTTT 19830

RESULT 7

US-10-079-854-377/c
; Sequence 377, Application US/10079854
; Publication No. US20030054368A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA121C1
; CURRENT APPLICATION NUMBER: US/10/079,854
; CURRENT FILING DATE: 2002-02-22
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 377
; LENGTH: 32221
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (7464)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-079-854-377

Query Match 86.4%; Score 19; DB 14; Length 32221;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 TCCCCATCTCTTTCTTT 22
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Db 19848 TCCCCATCTCTTTCTTT 19830

RESULT 8

US-10-180-375-7/c
; Sequence 7, Application US/10180375
; Publication No. US20030126638A1
; GENERAL INFORMATION:
; APPLICANT: Allen, William B.
; APPLICANT: Cahoon, Rebecca E.
; APPLICANT: Famodu, Omolayo O.
; APPLICANT: Harvell, Leslie T.
; APPLICANT: Helentjaris, Timothy
; APPLICANT: Li, Changjiang
; APPLICANT: Lowe, Keith
; APPLICANT: Oliveira, Igor Cunha
; APPLICANT: Shen, Bo
; APPLICANT: Tarczynski, Mitchell C.
; TITLE OF INVENTION: Alteration Of Oil Traits In Plants
; FILE REFERENCE: BB1458 US NA1
; CURRENT APPLICATION NUMBER: US/10/180,375
; CURRENT FILING DATE: 2002-06-26
; NUMBER OF SEQ ID NOS: 222
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 7
; LENGTH: 1334
; TYPE: DNA
; ORGANISM: Vitis sp.
US-10-180-375-7

Query Match 85.5%; Score 18.8; DB 15; Length 1334;
Best Local Similarity 90.9%; Pred. No. 1.8e+02;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GATTCCCCATCTCTCTTTCTTT 22
|||||
Db 1238 GATTCCCAATCTCTGTCTTT 1217

RESULT 9

US-10-183-687-23/c
; Sequence 23, Application US/10183687
; Publication No. US20030204870A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Steve
; APPLICANT: Allen, William B.
; APPLICANT: Cahoon, Rebecca
; APPLICANT: Epelbaum, Sabine
; APPLICANT: Famodu, Omolayo O.
; APPLICANT: Harvell, Leslie T.
; APPLICANT: Jones, Todd
; APPLICANT: Kinney, Tony
; APPLICANT: Klein, Ted
; APPLICANT: Li, Changjiang
; APPLICANT: Oliveira, Igor Cunha
; APPLICANT: Sakai, Hajime
; APPLICANT: Shen, Bo
; APPLICANT: Tarczynski, Mitchell C.
; TITLE OF INVENTION: Alteration Of Oil Traits In Plants
; FILE REFERENCE: BB1458 US NA
; CURRENT APPLICATION NUMBER: US/10/183,687
; CURRENT FILING DATE: 2002-06-27
; PRIOR APPLICATION NUMBER: 60/301,913
; PRIOR FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 532
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 23
; LENGTH: 1334
; TYPE: DNA
; ORGANISM: Vitis sp.
US-10-183-687-23

Query Match 85.5%; Score 18.8; DB 17; Length 1334;
Best Local Similarity 90.9%; Pred. No. 1.8e+02;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GATTCCCCATCTCTCTTTCTTT 22

Db 1238 GATTCCTCAATCTCTCTGCTTT 1217
|||||

RESULT 10

US-10-424-599-92893/c
; Sequence 92893, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 92893
; LENGTH: 284
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(284)
; OTHER INFORMATION: unsure at all n locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_54898C.1
US-10-424-599-92893

Query Match 83.6%; Score 18.4; DB 17; Length 284;
Best Local Similarity 95.0%; Pred. No. 2.5e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 TTCCCCATCTCTCTTCTTT 22
|||||

Db 49 TTCCCCATCTCTCTTCTTT 30
|||||

RESULT 11

US-10-424-599-59036/c
; Sequence 59036, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 59036
; LENGTH: 1309
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_24320C.1
US-10-424-599-59036

Query Match 83.6%; Score 18.4; DB 17; Length 1309;
Best Local Similarity 95.0%; Pred. No. 2.6e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 TTCCCCATCTCTCTTCTTT 22
|||||

Db 57 TTCCCCATCTCTCTTCTTT 38
|||||

RESULT 12

US-10-311-455-1419/c
; Sequence 1419, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determining
; TITLE OF INVENTION: cytosine methylation
; FILE REFERENCE: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311,455
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 1419
; LENGTH: 6351
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-1419

Query Match 83.6%; Score 18.4; DB 15; Length 6351;
Best Local Similarity 95.0%; Pred. No. 2.8e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 TTCCCCATCTCTTCTTT 22
|||||

Db 4736 TTCCCCCTCTCTTCTTT 4717
|||||

RESULT 13

US-10-221-613-191/c
; Sequence 191, Application US/10221613
; Publication No. US20040029123A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with Cell Cycle
; FILE REFERENCE: 5013.1004
; CURRENT APPLICATION NUMBER: US/10/221,613
; CURRENT FILING DATE: 2002-09-13
; PRIOR APPLICATION NUMBER: PCT/EP01/02945
; DE 10013847.00
; DE 10019058.8
; DE 10019173.8
; DE 10032529.7
; DE 10043826.1
; PRIOR FILING DATE: 2001-03-15
; 2000-03-15
; 2000-04-06
; 2000-04-07
; 2000-06-30
; 2000-09-01
; NUMBER OF SEQ ID NOS: 428
; SEQ ID NO 191
; LENGTH: 6351
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-221-613-191

Query Match 83.6%; Score 18.4; DB 17; Length 6351;
Best Local Similarity 95.0%; Pred. No. 2.8e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 TTCCCATCTCTCTTTCTTT 22
|||||
Db 4736 TTCCCATCTCTCTTTCTTT 4717

RESULT 14

US-10-433-793-11/c
; Sequence 11, Application US/10433793
; Publication No. US20040142334A1
; GENERAL INFORMATION:
; APPLICANT: Epigenomics AG
; TITLE OF INVENTION: Diagnose von mit Angiogenese assoziierten Krankheiten
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/433,793
; CURRENT FILING DATE: 2003-06-06
; NUMBER OF SEQ ID NOS: 212
; SEQ ID NO 11
; LENGTH: 23695
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-433-793-11

Query Match 83.6%; Score 18.4; DB 18; Length 23695;
Best Local Similarity 95.0%; Pred. No. 3.e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 TTCCCATCTCTCTTTCTTT 22
|||||
Db 4736 TTCCCATCTCTCTTTCTTT 4717

RESULT 15

US-10-741-600-17886/c
; Sequence 17886, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17886
; LENGTH: 54016
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(54016)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-
US-10-741-600-17886

Query Match 83.6%; Score 18.4; DB 19; Length 54016;
Best Local Similarity 95.0%; Pred. No. 3.1e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 TTCCCATCTCTCTTTCTTT 22
|||||
Db 5841 TTCCCATCTCTCTTTCTTT 5822

RESULT 16

US-10-461-862-9
; Sequence 9, Application US/10461862
; Publication No. US20050090434A1
; GENERAL INFORMATION:
; APPLICANT: David W. Morris
; APPLICANT: Marc S. Malandro
; TITLE OF INVENTION: Novel Therapeutic Targets in Cancer

; FILE REFERENCE: 529452001800
; CURRENT APPLICATION NUMBER: US/10/461,862
; CURRENT FILING DATE: 2003-06-13
; NUMBER OF SEQ ID NOS: 184
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 127678
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(127678)
; OTHER INFORMATION: n = A,T,C or G
US-10-461-862-9

Query Match 83.6%; Score 18.4; DB 19; Length 127678;
Best Local Similarity 95.0%; Pred. No. 3.2e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 TTCCCATCTCTCTTTCTTT 22
|||||
Db 84250 TTCCCATCTCTCTTTCTTT 84269

RESULT 17

US-10-741-601-5660
; Sequence 5660, Application US/10741601
; Publication No. US20040168519A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: STENOSIS, METHODS OF DETECTION AND USES THEREOF
; CURRENT APPLICATION NUMBER: US/10/741,601
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 26415
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5660
; LENGTH: 189817
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(189817)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-
US-10-741-601-5660

Query Match 83.6%; Score 18.4; DB 18; Length 189817;
Best Local Similarity 95.0%; Pred. No. 3.2e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 TTCCCATCTCTCTTTCTTT 22
|||||
Db 72324 TTCCCATCTCTCTTTCTTT 72343

RESULT 18

US-10-741-600-17685
; Sequence 17685, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17685
; LENGTH: 189817
; TYPE: DNA
; ORGANISM: Homo sapiens

```
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(189817)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-
US-10-741-600-17685
```

```
Query Match      83.6%; Score 18.4; DB 19; Length 189817;
Best Local Similarity 95.0%; Pred. No. 3.2e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      3 TTCCCCATCTCTCTTTCT 22
         |||||
Db      72324 TTCCCCATCTCTCTTTCT 72343
```

```
RESULT 19
US-10-242-535A-26433/c
; Sequence 26433, Application US/10242535A
; Publication No. US20040013663A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: Liaw, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2005
; CURRENT APPLICATION NUMBER: US/10/242,535A
; CURRENT FILING DATE: 2002-09-12
; PRIOR APPLICATION NUMBER: US 10/085,783
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 26433
; LENGTH: 500
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (11)...(11)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (491)...(491)
; OTHER INFORMATION: n is a, c, g, or t
US-10-242-535A-26433
```

```
Query Match      81.8%; Score 18; DB 17; Length 500;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      3 TTCCCCATCTCTCTTTCT 20
         |||||
Db      306 TTCCCCATCTCTCTTTCT 289
```

```
RESULT 20
US-10-085-783A-26433/c
; Sequence 26433, Application US/10085783A
; Publication No. US20040037841A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: Liaw, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2002
; CURRENT APPLICATION NUMBER: US/10/085,783A
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
```

```
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 26433
; LENGTH: 500
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (11)...(11)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (491)...(491)
; OTHER INFORMATION: n is a, c, g, or t
US-10-085-783A-26433
```

```
Query Match      81.8%; Score 18; DB 17; Length 500;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      3 TTCCCCATCTCTCTTTCT 20
         |||||
Db      306 TTCCCCATCTCTCTTTCT 289
```

```
RESULT 21
US-10-741-601-5616
; Sequence 5616, Application US/10741601
; Publication No. US20040166519A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001500
; CURRENT APPLICATION NUMBER: US/10/741,601
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 26415
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5616
; LENGTH: 73764
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(73764)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-;
US-10-741-601-5616
```

```
Query Match      81.8%; Score 18; DB 18; Length 73764;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      2 ATTCCCCATCTCTTTTC 19
         |||||
Db      43258 ATTCCCCATCTCTTTTC 43275
```

```
RESULT 22
US-10-424-599-31004
; Sequence 31004, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
```

```
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 31004
; LENGTH: 324
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_128000C.1
US-10-424-599-31004

Query Match      80.9%; Score 17.8; DB 17; Length 324;
Best Local Similarity 90.5%; Pred. No. 4.5e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      2 ATTCCCATCTCTCTTTCTTT 22
      ||||| ||||| ||||| |||||
Db      105 ATTCCCAACTCTCTTTATT 125

RESULT 23
US-10-674-124A-23460/c
; Sequence 23460, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIYA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 10/257,511
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 23460
; LENGTH: 363
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: chr18.fa.07frz.43403606
; FEATURE:
; OTHER INFORMATION: Located on chromosome 18
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 40889931
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 171910
US-10-674-124A-23460

Query Match      80.9%; Score 17.8; DB 18; Length 363;
Best Local Similarity 90.5%; Pred. No. 4.5e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      2 ATTCCCATCTCTCTTTCTTT 22
      ||||| ||||| ||||| |||||
Db      250 ATTCCCTCTCTCTTTCTTT 230

RESULT 24
US-10-027-632-206913/c
; Sequence 206913, Application US/10027632
; Publication No. US20020198371A1
```

```
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 206913
; LENGTH: 571
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-206913

Query Match      80.9%; Score 17.8; DB 13; Length 571;
Best Local Similarity 90.5%; Pred. No. 4.6e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      2 ATTCCCATCTCTCTTTCTTT 22
      ||||| ||||| ||||| |||||
Db      473 ATTCCCATCTCTCTTTCTTT 453

RESULT 25
US-10-027-632-206915/c
; Sequence 206915, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 206915
; LENGTH: 571
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-206915

Query Match      80.9%; Score 17.8; DB 13; Length 571;
Best Local Similarity 90.5%; Pred. No. 4.6e+02;
```

Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 ATTCCCATCTCTCTTTCTTT 22
||| ||||| ||||| |||||
Db 473 ATTCCCATCTCTCTTTCTTT 453

RESULT 26

US-10-027-632-206913/c
; Sequence 206913, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:

; APPLICANT: Wang, David G.

; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome

; FILE REFERENCE: 108827.129

; CURRENT APPLICATION NUMBER: US/10/027,632

; CURRENT FILING DATE: 2002-04-30

; PRIOR APPLICATION NUMBER: US 60/218,006

; PRIOR FILING DATE: 2000-07-12

; PRIOR APPLICATION NUMBER: US 60/198,676

; PRIOR FILING DATE: 2000-04-20

; PRIOR APPLICATION NUMBER: US 60/193,483

; PRIOR FILING DATE: 2000-03-29

; PRIOR APPLICATION NUMBER: US 60/185,218

; PRIOR FILING DATE: 2000-02-24

; PRIOR APPLICATION NUMBER: US 60/167,363

; PRIOR FILING DATE: 1999-11-23

; PRIOR APPLICATION NUMBER: US 60/156,358

; PRIOR FILING DATE: 1999-09-28

; PRIOR APPLICATION NUMBER: US 60/146,002

; PRIOR FILING DATE: 1999-08-09

; NUMBER OF SEQ ID NOS: 325720

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 206913

; LENGTH: 571

; TYPE: DNA

; ORGANISM: Human

US-10-027-632-206913

Query Match 80.9%; Score 17.8; DB 17; Length 571;

Best Local Similarity 90.5%; Pred. No. 4.6e+02;

Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 ATTCCCATCTCTCTTTCTTT 22
||| ||||| ||||| |||||
Db 473 ATTCCCATCTCTCTTTCTTT 453

RESULT 27

US-10-027-632-206915/c
; Sequence 206915, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:

; APPLICANT: Wang, David G.

; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome

; FILE REFERENCE: 108827.129

; CURRENT APPLICATION NUMBER: US/10/027,632

; CURRENT FILING DATE: 2002-04-30

; PRIOR APPLICATION NUMBER: US 60/218,006

; PRIOR FILING DATE: 2000-07-12

; PRIOR APPLICATION NUMBER: US 60/198,676

; PRIOR FILING DATE: 2000-04-20

; PRIOR APPLICATION NUMBER: US 60/193,483

; PRIOR FILING DATE: 2000-03-29

; PRIOR APPLICATION NUMBER: US 60/185,218

; PRIOR FILING DATE: 2000-02-24

; PRIOR APPLICATION NUMBER: US 60/167,363

; PRIOR FILING DATE: 1999-11-23

; PRIOR APPLICATION NUMBER: US 60/156,358

; PRIOR FILING DATE: 1999-09-28

; PRIOR APPLICATION NUMBER: US 60/146,002

; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 206915

; LENGTH: 571

; TYPE: DNA

; ORGANISM: Human

US-10-027-632-206915

Query Match 80.9%; Score 17.8; DB 17; Length 571;

Best Local Similarity 90.5%; Pred. No. 4.6e+02;

Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 ATTCCCATCTCTCTTTCTTT 22
||| ||||| ||||| |||||
Db 473 ATTCCCATCTCTCTTTCTTT 453

RESULT 28

US-10-425-115-48053

; Sequence 48053, Application US/10425115

; Publication No. US20040214272A1

; GENERAL INFORMATION:

; APPLICANT: La Rosa, Thomas J.

; APPLICANT: Kovalic, David K.

; APPLICANT: Zhou, Yihua

; APPLICANT: Cao, Yongwei

; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with

; TITLE OF INVENTION: Plants

; FILE REFERENCE: 38-21(53222)B

; CURRENT APPLICATION NUMBER: US/10/425,115

; CURRENT FILING DATE: 2003-04-28

; NUMBER OF SEQ ID NOS: 369326

; SEQ ID NO 48053

; LENGTH: 671

; TYPE: DNA

; ORGANISM: Zea mays

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (1)-(671)

; OTHER INFORMATION: unsure at all n locations

; FEATURE:

; OTHER INFORMATION: Clone ID: MFT4577_143829C.1

US-10-425-115-48053

Query Match 80.9%; Score 17.8; DB 18; Length 671;

Best Local Similarity 90.5%; Pred. No. 4.6e+02;

Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 ATTCCCATCTCTCTTTCTTT 22
||| ||||| ||||| |||||
Db 153 ATTCCCATCTCTCTTTCTTT 173

RESULT 29

US-10-027-632-206914/c

; Sequence 206914, Application US/10027632

; Publication No. US20020198371A1

; GENERAL INFORMATION:

; APPLICANT: Wang, David G.

; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide

; TITLE OF INVENTION: Polymorphisms in the Human Genome

; FILE REFERENCE: 108827.129

; CURRENT APPLICATION NUMBER: US/10/027,632

; CURRENT FILING DATE: 2002-04-30

; PRIOR APPLICATION NUMBER: US 60/218,006

; PRIOR FILING DATE: 2000-07-12

; PRIOR APPLICATION NUMBER: US 60/198,676

; PRIOR FILING DATE: 2000-04-20

; PRIOR APPLICATION NUMBER: US 60/193,483

; PRIOR FILING DATE: 2000-03-29

; PRIOR APPLICATION NUMBER: US 60/185,218

; PRIOR FILING DATE: 2000-02-24

```

; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 206914
; LENGTH: 1143
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-206914

```

Query Match 80.9%; Score 17.8; DB 13; Length 1143;
Best Local Similarity 90.5%; Pred. No. 4.7e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 ATTCCTCATCTCTTTCTTT 22
|||
1045 ATTCCTCATCTCTTTCTTT 1025
Db

RESULT 30
US-10-027-632-206914/c
; Sequence 206914, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:

APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome

```

, FILE REFERENCE: 108827, 129
, CURRENT APPLICATION NUMBER: US 10/027,632
, CURRENT FILING DATE: 2002-04-30
, PRIOR APPLICATION NUMBER: US 60/218,006
, PRIOR FILING DATE: 2000-07-12
, PRIOR APPLICATION NUMBER: US 60/198,676
, PRIOR FILING DATE: 2000-04-20
, PRIOR APPLICATION NUMBER: US 60/193,483
, PRIOR FILING DATE: 2000-03-29
, PRIOR APPLICATION NUMBER: US 60/185,218
, PRIOR FILING DATE: 2000-02-24
, PRIOR APPLICATION NUMBER: US 60/167,363
, PRIOR FILING DATE: 1999-11-23
, PRIOR APPLICATION NUMBER: US 60/156,358
, PRIOR FILING DATE: 1999-09-28
, PRIOR APPLICATION NUMBER: US 60/146,002
, PRIOR FILING DATE: 1999-08-09
, NUMBER OF SEQ IDS NOS: 325720
, SOFTWARE: FASTSEQ for Windows Version 4.0

```

```

; SEQ ID NO 206914
; LENGTH: 1143
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-206914

```

Query Match	80.9%	Score 17.8;	DB 17;	Length 1143;
Best Local Similarity	90.5%;	Pred. No. 4.7e+02;		
Matches 19:	Conservative	0;	Mismatches 2;	Indels 0;
Matches 0:				Gaps 0;

Qy 2 ATTCCCCATCTCTCTTT 22
 ||| ||||| |||||
Dβ 1045 ATTCCCATCTCCCCTTT 1025

RESULT 31
US-10-311-455-1925/c
; Sequence 1925, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:
; APPLICANT: OUEK, Alexander
; APPLICANT: PIETENBROCK, Christian
; APPLICANT: BERLIN, Kurt

```

; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Imm
; TITLE OF INVENTION: cytosine methylation
; FILE REFERENCE: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311,455
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 1925
; LENGTH: 7819
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-1925

```

```
Query Match      80.9%; Score 17.8; DB 15; Length 7819;
Best Local Similarity 90.5%; Pred. No. 5.1e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

Qy 2 ATTCCCAATCTCTTTCTTT 22
6664 ATTACCCATCTTTCTTTCTTT 6644
pb

```

RESULT 32
US-10-240-485-159/c
; Sequence 159, Application US/10240485
; Publication No. US20030148327A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with
; TITLE OF INVENTION: Metastasis
; FILE REFERENCE: 5013.1007
; CURRENT APPLICATION NUMBER: US/10/240,485
; CURRENT FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: PCT/EP01/03970
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10025259.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 202
; SEQ ID NO 159
; LENGTH: 7819
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo
US-10-240-485-159

```

```
Query Match      80.9%; Score 17.8; DB 15; Length 7819;
Best Local Similarity 90.5%; Pred. No. 5.1e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

Qy 2 ATCCCCCATCTCTCTTCTTT 22
|||
db 6664 ATTACCCCATCTTCTTCTTT 6644

RESULT 33
US-10-719-993-6760/c
: Sequence 6760, Application US/10719993

```
; Publication No. US20040265849A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: ALZHEIMER'S DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001496
; CURRENT APPLICATION NUMBER: US/10/719,993
; CURRENT FILING DATE: 2003-11-24
; NUMBER OF SEQ ID NOS: 55342
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6760
; LENGTH: 20158
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-719-993-6760

Query Match      80.9%; Score 17.8; DB 18; Length 20158;
Best Local Similarity 90.5%; Pred. No. 5.3e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      2 ATTCCCCATCTCTCTTTCTTT 22
      ||||| ||||| ||||| |||||
Db      3279 ATTCCCAATCTCTTTCTTT 3259

RESULT 34
US-10-459-262A-3/c
; Sequence 3, Application US/10459262A
; Publication No. US20040083501A1
; GENERAL INFORMATION:
; APPLICANT: Leong, Sally A.
; APPLICANT: Chauhan, Rajinder S.
; APPLICANT: Durfee, Timothy J.
; APPLICANT: Farman, Mark L.
; TITLE OF INVENTION: Plant Genes That Confer Resistance to Strains of
; TITLE OF INVENTION: Magnaporthe Grisea Having AVR1 C039 Cultivar
; TITLE OF INVENTION: Specificity Gene
; FILE REFERENCE: 0141.03
; CURRENT APPLICATION NUMBER: US/10/459,262A
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/46331
; PRIOR FILING DATE: 2003-04-11
; PRIOR FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: PCT WO 02/34927
; PRIOR FILING DATE: 2002-05-02
; PRIOR APPLICATION NUMBER: 60/242,313
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/303,897
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 49600
; TYPE: DNA
; ORGANISM: Magnaporthe grisea
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(49600)
; OTHER INFORMATION: Continuation of Sequence ID 1, representing bases
; OTHER INFORMATION: 99,281 through 148,880
US-10-459-262A-3
```

```
Query Match      80.9%; Score 17.8; DB 17; Length 49600;
Best Local Similarity 90.5%; Pred. No. 5.5e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      2 ATTCCCCATCTCTCTTTCTTT 22
      ||||| ||||| ||||| |||||
Db      44645 ATGCCCAATCTCTCTTTT 44625
```

RESULT 35

```
US-10-415-058-5
; Sequence 5, Application US/10415058
; Publication No. US20040060081A1
; GENERAL INFORMATION:
; APPLICANT: Wisconsin Alumni Research Foundation
; APPLICANT: United States Department Of Agriculture
; APPLICANT: Leong, Sally A.
; APPLICANT: Farman, Mark L.
; APPLICANT: Chauhan, Rajinder
; APPLICANT: Durfee, Timothy J.
; TITLE OF INVENTION: Plant Gene That Confers Resistance To Strains Of Magnaporthe Grisea
; TITLE OF INVENTION: Having AVR C039 Cultivar Specificity Gene
; FILE REFERENCE: Warf-0145
; CURRENT APPLICATION NUMBER: US/10/415,058
; CURRENT FILING DATE: 2003-04-11
; PRIOR APPLICATION NUMBER: USN 60/242,313
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: USN 60/303,897
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 91552
; TYPE: DNA
; ORGANISM: Oryza sativa
US-10-415-058-5
```

```
Query Match      80.9%; Score 17.8; DB 17; Length 91552;
Best Local Similarity 90.5%; Pred. No. 5.7e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      2 ATTCCCCATCTCTCTTTCTTT 22
      ||||| ||||| ||||| |||||
Db      34642 ATGCCCAATCTCTCTTTT 34662
```

RESULT 36

```
US-09-997-722-43/c
; Sequence 43, Application US/09997722
; Publication No. US20040072154A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David
; APPLICANT: Engelhard, Eric
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: A-71171/RMS/DCF
; CURRENT APPLICATION NUMBER: US/09/997,722
; CURRENT FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: US 09/147,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 301
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 43
; LENGTH: 96595
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (81)..(100)
; OTHER INFORMATION: "n" at positions 81 through 100 can be any base.
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (20974)..(20993)
; OTHER INFORMATION: "n" at positions 20974 through 20993 can be any base.
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (23010)..(23294)
; OTHER INFORMATION: "n" at positions 23010 through 23294 can be any base.
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (24969)..(25093)
; OTHER INFORMATION: "n" at positions 24969 through 25093 can be any base.
```

FEATURE:
; NAME/KEY: misc feature
; LOCATION: (34635)..(34840)
; OTHER INFORMATION: "n" at positions 34655 through 34840 can be any base.
FEATURE:
; NAME/KEY: misc feature
; LOCATION: (43486)..(43505)
; OTHER INFORMATION: "n" at positions 43486 through 43505 can be any base.
FEATURE:
; NAME/KEY: misc feature
; LOCATION: (63319)..(63565)
; OTHER INFORMATION: "n" at positions 63319 through 63565 can be any base.
FEATURE:
; NAME/KEY: misc feature
; LOCATION: (87107)..(87126)
; OTHER INFORMATION: "n" at positions 87107 through 87126 can be any base.
FEATURE:
; NAME/KEY: misc feature
; LOCATION: (90949)..(90968)
; OTHER INFORMATION: "n" at positions 90949 through 90968 can be any base.
FEATURE:
; NAME/KEY: misc feature
; LOCATION: (92828)..(92847)
; OTHER INFORMATION: "n" at positions 92828 through 92847 can be any base.
US-09-997-722-43

Query Match 80.9%; Score 17.8; DB 11; Length 96595;
Best Local Similarity 90.5%; Pred. No. 5.7e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Oy 2 ATTCCCATCTCTCTTTCTTT 22
|||||

Db 89246 ATTCCCATCTCTCTTTCTTT 89226
|||||

RESULT 37
US-10-027-632-174763/c
; Sequence 174763, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 174763
; LENGTH: 2940917
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)....(2940917)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-174763

Query Match 80.9%; Score 17.8; DB 13; Length 2940917;

Best Local Similarity 90.5%; Pred. No. 5.7e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Oy 2 ATTCCCATCTCTCTTTCTTT 22
|||||

Db 2098912 ATTCCCATCTCTCTTTCTTT 2098892
|||||

RESULT 38
US-10-027-632-174763/c
; Sequence 174763, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 174763
; LENGTH: 2940917
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)....(2940917)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-174763

Query Match 80.9%; Score 17.8; DB 17; Length 2940917;
Best Local Similarity 90.5%; Pred. No. 5.7e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Oy 2 ATTCCCATCTCTCTTTCTTT 22
|||||

Db 2098912 ATTCCCATCTCTCTTTCTTT 2098892
|||||

RESULT 39
US-10-741-600-26828/c
; Sequence 26828, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001499
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26828
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-741-600-26828


```
Query Match          79.1%; Score 17.4; DB 19; Length 201;
Best Local Similarity 94.7%; Pred. No. 6.5e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 TTCCCATCTCTCTTTCTT 21
Db 179 TACCCCATCTCTCTTTCTT 161

RESULT 40
US-10-027-632-101998
; Sequence 101998, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 101998
; LENGTH: 720
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-101998

Query Match          79.1%; Score 17.4; DB 13; Length 720;
Best Local Similarity 94.7%; Pred. No. 6.9e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 TTCCCATCTCTCTTTCTT 21
Db 107 TTCCCATCTCTCTTTCTT 125

RESULT 41
US-10-027-632-101998
; Sequence 101998, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
```

```
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 101998
; LENGTH: 720
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-101998

Query Match          79.1%; Score 17.4; DB 17; Length 720;
Best Local Similarity 94.7%; Pred. No. 6.9e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 TTCCCATCTCTCTTTCTT 21
Db 107 TTCCCATCTCTCTTTCTT 125

RESULT 42
US-10-424-599-94947/c
; Sequence 94947, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; Title of Invention: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 94947
; LENGTH: 1386
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(1386)
; OTHER INFORMATION: unsure at all n locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_56749C.1
US-10-424-599-94947

Query Match          79.1%; Score 17.4; DB 17; Length 1386;
Best Local Similarity 94.7%; Pred. No. 7e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 4 TCCCATCTCTCTTTCTT 22
Db 1383 TTCCCATCTCTCTTTCTT 1365

RESULT 43
US-10-767-701-12634
; Sequence 12634, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; Title of Invention: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 12634
; LENGTH: 1420
; TYPE: DNA
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; ORGANISM: Sorghum bicolor
 ; FEATURE:
 ; OTHER INFORMATION: Clone ID: SORBI-28MAY03-CLUS45167_1
 US-10-767-701-12634

Query Match 79.1%; Score 17.4; DB 18; Length 1420;
 Best Local Similarity 94.7%; Pred. No. 7.1e+02;
 Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 TTCCCATCTCTCTTTCTT 22
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 DB 12 TTCCCATCTCTCTTTCTT 30

RESULT 44
 US-10-203-319A-22/c
 ; Sequence 22, Application US/10203319A
 ; Publication No. US20030226162A1
 ; GENERAL INFORMATION:
 ; APPLICANT: BOWLES, Diana Joy
 ; APPLICANT: Li, Yi
 ; APPLICANT: LIM, Eng-Kiat
 ; TITLE OF INVENTION: TRANSGENIC CELLS EXPRESSING GLUCOSYLTRANSFERASE NUCLEIC ACIDS
 ; FILE REFERENCE: 2347/51378
 ; CURRENT APPLICATION NUMBER: US/10/203,319A
 ; PRIOR FILING DATE: 2002-12-03
 ; PRIOR APPLICATION NUMBER: PCT/GB01/00477
 ; PRIOR FILING DATE: 2001-02-08
 ; PRIOR APPLICATION NUMBER: GB 0002814.2
 ; PRIOR FILING DATE: 2000-02-09
 ; NUMBER OF SEQ ID NOS: 54
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 22
 ; LENGTH: 1446
 ; TYPE: DNA
 ; ORGANISM: Arabidopsis thaliana
 US-10-203-319A-22

Query Match 79.1%; Score 17.4; DB 17; Length 1446;
 Best Local Similarity 94.7%; Pred. No. 7.1e+02;
 Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTTCTT 21
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 DB 626 TTCCCATCTCTCTTTCTT 608

RESULT 45
 US-10-203-319A-24
 ; Sequence 24, Application US/10203319A
 ; Publication No. US20030226162A1
 ; GENERAL INFORMATION:
 ; APPLICANT: BOWLES, Diana Joy
 ; APPLICANT: Li, Yi
 ; APPLICANT: LIM, Eng-Kiat
 ; TITLE OF INVENTION: TRANSGENIC CELLS EXPRESSING GLUCOSYLTRANSFERASE NUCLEIC ACIDS
 ; FILE REFERENCE: 2347/51378
 ; CURRENT APPLICATION NUMBER: US/10/203,319A
 ; PRIOR FILING DATE: 2002-12-03
 ; PRIOR APPLICATION NUMBER: PCT/GB01/00477
 ; PRIOR FILING DATE: 2001-02-08
 ; PRIOR APPLICATION NUMBER: GB 0002814.2
 ; PRIOR FILING DATE: 2000-02-09
 ; NUMBER OF SEQ ID NOS: 54
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 24
 ; LENGTH: 1446
 ; TYPE: DNA
 ; ORGANISM: Arabidopsis thaliana
 US-10-203-319A-24

Query Match 79.1%; Score 17.4; DB 17; Length 1446;
 Best Local Similarity 94.7%; Pred. No. 7.1e+02;
 Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 4 TCCCATCTCTCTTTCTTT 22
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Db 1608 TCCCAATCTCTCTTTCTTT 1626

RESULT 48
US-10-103-313-631
; Sequence 631, Application US/10103313
; Publication No. US20030082758A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PJ207C1
; CURRENT APPLICATION NUMBER: US/10/103,313
; CURRENT FILING DATE: 2002-03-12
; NUMBER OF SEQ ID NOS: 653
; Prior Application removed - See File Wrapper or Palm
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 631
; LENGTH: 3903
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-103-313-631

Query Match 79.1%; Score 17.4; DB 14; Length 3903;
Best Local Similarity 94.7%; Pred. No. 7.4e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 TCCCATCTCTCTTTCTTT 22
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Db 2177 TCCCATCTCTCTTTCTTT 2195

RESULT 49
US-10-719-993-6891/c
; Sequence 6891, Application US/10719993
; Publication No. US20040265849A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001496
; CURRENT APPLICATION NUMBER: US/10/719,993
; CURRENT FILING DATE: 2003-11-24
; NUMBER OF SEQ ID NOS: 55342
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6891
; LENGTH: 24579
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-719-993-6891

Query Match 79.1%; Score 17.4; DB 18; Length 24579;
Best Local Similarity 94.7%; Pred. No. 8e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GATTCCTCATCTCTCTTTTC 19
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Db 6473 GATTCCTCATCTCTCTTTTC 6455

RESULT 50
US-09-962-832-222/c
; Sequence 222, Application US/09962832
; Patent No. US20020110821A1
; GENERAL INFORMATION:
; APPLICANT: Ebner, Reinhard
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
; FILE REFERENCE: 689290-74
; CURRENT APPLICATION NUMBER: US/09/962,832
; CURRENT FILING DATE: 2001-09-25
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; PRIOR APPLICATION NUMBER: US/60/235,077
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,280
; PRIOR FILING DATE: 2000-09-25
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 222
; LENGTH: 26668
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: n=a,t,g or c
US-09-962-832-222

Query Match 79.1%; Score 17.4; DB 9; Length 26668;
Best Local Similarity 94.7%; Pred. No. 8e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Db 8695 TTCCCCATCTCTCTTTCTTT 8677

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OM nucleic - nucleic search, using sw model

Run on: June 2, 2005, 07:06:17 ; Search time 41.9608 Seconds
(without alignments) 779.908 Million cell updates

Title: US-09-909-317-2

Perfect score:

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Scoring table: IDENTIFICATION

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post-processing: Minimum Match 0%

POST-PROCESSING: MINIMUM MATCH 0%
MAXIMUM MATCH 100%

Maximum Match 100%
Listing first 500 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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	16.8	84.0	325	4	US-08-781-986A-1722	Sequence 1722, Ap	
C 4	16.8	84.0	601	4	US-09-949-016-87851	Sequence 87851, A	
C 5	16.8	84.0	601	4	US-09-949-016-87852	Sequence 87852, A	
C 6	16.8	84.0	601	4	US-09-949-016-183202	Sequence 183202, A	
C 7	16.8	84.0	601	4	US-09-949-016-186785	Sequence 186785, A	
C 8	16.8	84.0	601	4	US-09-949-016-186786	Sequence 186786, A	
C 9	16.8	84.0	23439	4	US-08-956-171E-38	Sequence 38, Appl	
C 10	16.8	84.0	23439	4	US-08-781-986A-38	Sequence 38, Appl	
C 11	16.8	84.0	62908	4	US-09-949-016-17554	Sequence 17554, A	
C 12	16.8	84.0	86439	4	US-09-949-016-11945	Sequence 11945, A	
C 13	16.8	84.0	86440	4	US-09-949-016-16990	Sequence 16990, A	
C 14	16.8	84.0	123463	4	US-09-949-016-17078	Sequence 17078, A	
C 15	16.8	84.0	129327	4	US-09-949-016-13257	Sequence 12257, A	
C 16	16.8	84.0	129327	4	US-09-949-016-15368	Sequence 15368, A	
C 17	16.8	84.0	169334	4	US-09-949-016-15999	Sequence 15999, A	
C 18	16.8	84.0	232024	4	US-09-949-016-13477	Sequence 13477, A	
C 19	16.8	84.0	254964	4	US-09-949-016-12583	Sequence 12583, A	
C 20	16.8	84.0	254964	4	US-09-949-016-17392	Sequence 17392, A	
C 21	16.8	84.0	670689	4	US-09-949-016-12505	Sequence 12505, A	
C 22	16.8	84.0	670690	4	US-09-949-016-14207	Sequence 14207, A	
C 23	16.8	84.0	786431	4	US-09-751-389-3	Sequence 3, Appli	
C 24	16.4	82.0	271	3	US-09-222-575-50	Sequence 50, Appl	
C 25	16.4	82.0	271	4	US-09-389-681-50	Sequence 50, Appl	
C 26	16.4	82.0	271	4	US-09-620-405B-50	Sequence 50, Appl	
C 27	16.4	82.0	271	4	US-09-339-338-50	Sequence 50, Appl	

101	15.2	76.0	660	4	US-09-513-999C-12168	Sequence 12168, A	174	15.2	76.0	189560	4	US-09-949-016-17202	Sequence 17202, A
102	15.2	76.0	978	3	US-09-134-001C-2696	Sequence 2696, App	175	15.2	76.0	194933	4	US-09-949-016-14172	Sequence 14172, A
103	15.2	76.0	1240	1	US-08-869-506-1	Sequence 1, Appli	c 176	15.2	76.0	197336	4	US-09-949-016-12881	Sequence 12881, A
104	15.2	76.0	1240	3	US-09-128-567-1	Sequence 1, Appli	c 177	15.2	76.0	197337	4	US-09-949-016-14376	Sequence 14376, A
105	15.2	76.0	1279	4	US-09-949-016-216	Sequence 216, App	c 178	15.2	76.0	234288	4	US-09-949-016-17272	Sequence 17272, A
106	15.2	76.0	1301	4	US-09-949-016-1667	Sequence 1667, App	c 179	15.2	76.0	235064	4	US-09-949-016-15390	Sequence 15390, A
107	15.2	76.0	1383	4	US-09-023-655-541	Sequence 541, App	c 180	15.2	76.0	238815	4	US-09-949-016-16274	Sequence 16274, A
108	15.2	76.0	3001	4	US-09-539-333D-130	Sequence 130, App	c 181	15.2	76.0	246240	2	US-08-724-394A-20	Sequence 20, Appl
109	15.2	76.0	3836	4	US-09-976-594-59	Sequence 59, Appl	c 182	15.2	76.0	246240	2	US-08-724-394A-22	Sequence 22, Appl
110	15.2	76.0	5024	1	US-08-920-812-7	Sequence 7, Appli	c 183	15.2	76.0	246240	2	US-08-724-394A-22	Sequence 22, Appl
111	15.2	76.0	5024	1	US-08-920-827-7	Sequence 7, Appli	c 184	15.2	76.0	246444	4	US-09-949-016-13113	Sequence 13113, A
112	15.2	76.0	5024	1	US-08-362-577C-7	Sequence 7, Appli	c 185	15.2	76.0	360470	4	US-09-949-016-13173	Sequence 13173, A
113	15.2	76.0	5024	1	US-08-362-577C-7	Sequence 7, Appli	c 186	15.2	76.0	421118	4	US-09-949-016-16297	Sequence 16297, A
114	15.2	76.0	5024	2	US-08-920-828-7	Sequence 7, Appli	c 187	14.8	74.0	194	4	US-09-513-998C-35718	Sequence 35718, A
115	15.2	76.0	5099	1	US-08-487-890A-4	Sequence 4, Appli	c 188	14.8	74.0	601	4	US-09-949-016-13989	Sequence 13989, A
116	15.2	76.0	5099	1	US-08-478-435-4	Sequence 4, Appli	c 189	14.8	74.0	601	4	US-09-949-016-20341	Sequence 20341, A
117	15.2	76.0	5099	2	US-08-337-483-4	Sequence 4, Appli	c 190	14.8	74.0	601	4	US-09-949-016-25936	Sequence 25936, A
118	15.2	76.0	5099	2	US-08-478-373-4	Sequence 4, Appli	c 191	14.8	74.0	601	4	US-09-949-016-30507	Sequence 30507, A
119	15.2	76.0	5099	3	US-08-478-671-4	Sequence 4, Appli	c 192	14.8	74.0	601	4	US-09-949-016-30508	Sequence 30508, A
120	15.2	76.0	5099	3	US-08-483-855C-1	Sequence 1, Appli	c 193	14.8	74.0	601	4	US-09-949-016-30509	Sequence 30509, A
121	15.2	76.0	5099	3	US-08-897-438-4	Sequence 4, Appli	c 194	14.8	74.0	601	4	US-09-949-016-74538	Sequence 74538, A
122	15.2	76.0	5099	3	US-08-637-654-4	Sequence 4, Appli	c 195	14.8	74.0	601	4	US-09-949-016-81543	Sequence 81543, A
123	15.2	76.0	5099	3	US-08-649-518-4	Sequence 4, Appli	c 196	14.8	74.0	601	4	US-09-949-016-83345	Sequence 83345, A
124	15.2	76.0	6973	1	US-08-478-370-1	Sequence 1, Appli	c 197	14.8	74.0	601	4	US-09-949-016-84780	Sequence 84780, A
125	15.2	76.0	6973	1	US-08-483-855C-1	Sequence 1, Appli	c 198	14.8	74.0	601	4	US-09-949-016-85351	Sequence 85351, A
126	15.2	76.0	6973	3	US-08-621-944A-1	Sequence 1, Appli	c 199	14.8	74.0	601	4	US-09-949-016-130970	Sequence 130970, A
127	15.2	76.0	6973	3	US-08-945-567D-1	Sequence 1, Appli	c 200	14.8	74.0	601	4	US-09-949-016-141929	Sequence 141929, A
128	15.2	76.0	6973	3	US-08-431-718C-1	Sequence 1, Appli	c 201	14.8	74.0	601	4	US-09-949-016-151158	Sequence 151158, A
129	15.2	76.0	13609	4	US-09-949-016-11806	Sequence 11806, A	c 202	14.8	74.0	601	4	US-09-949-016-154677	Sequence 154677, A
130	15.2	76.0	13609	4	US-09-949-016-12922	Sequence 12922, A	c 203	14.8	74.0	601	4	US-09-949-016-154677	Sequence 154677, A
131	15.2	76.0	15225	2	US-08-892-403A-2	Sequence 2, Appli	c 204	14.8	74.0	601	4	US-09-949-016-179422	Sequence 179422, A
132	15.2	76.0	15225	4	US-09-291-894-2	Sequence 2, Appli	c 205	14.8	74.0	601	4	US-09-949-016-179423	Sequence 179423, A
133	15.2	76.0	15225	4	US-09-827-688-10	Sequence 10, Appl	c 206	14.8	74.0	601	4	US-09-949-016-179424	Sequence 179424, A
134	15.2	76.0	21352	4	US-09-949-016-11958	Sequence 11958, A	c 207	14.8	74.0	601	4	US-09-949-016-189406	Sequence 189406, A
135	15.2	76.0	21394	4	US-09-949-016-13409	Sequence 13409, A	c 208	14.8	74.0	601	4	US-09-949-016-189407	Sequence 189407, A
136	15.2	76.0	22080	4	US-09-949-016-16183	Sequence 16183, A	c 209	14.8	74.0	601	4	US-09-949-016-189408	Sequence 189408, A
137	15.2	76.0	25230	4	US-09-949-016-13153	Sequence 13153, A	c 210	14.8	74.0	601	4	US-09-949-016-189409	Sequence 189409, A
138	15.2	76.0	29357	4	US-09-949-016-16676	Sequence 16676, A	c 211	14.8	74.0	601	4	US-09-949-016-205761	Sequence 205761, A
139	15.2	76.0	29393	4	US-09-949-016-17024	Sequence 17024, A	c 212	14.8	74.0	1125	4	US-09-248-796A-3180	Sequence 3180, Ap
140	15.2	76.0	29574	4	US-09-949-016-12650	Sequence 12650, A	c 213	14.8	74.0	1413	4	US-09-134-000C-2063	Sequence 2063, Ap
141	15.2	76.0	29574	4	US-09-949-016-15647	Sequence 15647, A	c 214	14.8	74.0	1437	4	US-09-328-352-3582	Sequence 3582, Ap
142	15.2	76.0	29604	3	US-08-781-891-207	Sequence 207, App	c 215	14.8	74.0	1554	3	US-09-134-001C-351	Sequence 351, App
143	15.2	76.0	29604	4	US-09-618-166-207	Sequence 207, App	c 216	14.8	74.0	1710	3	US-09-134-001C-2735	Sequence 2735, Ap
144	15.2	76.0	35007	4	US-09-949-016-15330	Sequence 15330, A	c 217	14.8	74.0	1790	2	US-08-993-228-1	Sequence 1, Appli
145	15.2	76.0	36171	4	US-09-949-016-13876	Sequence 13876, A	c 218	14.8	74.0	2476	3	US-08-844-274-11	Sequence 11, Appl
146	15.2	76.0	36274	4	US-09-949-016-12389	Sequence 12389, A	c 219	14.8	74.0	2476	3	US-09-598-421-11	Sequence 11, Appl
147	15.2	76.0	36551	3	US-09-738-894A-3	Sequence 3, Appli	c 220	14.8	74.0	2799	1	US-08-446-794A-5	Sequence 5, Appli
148	15.2	76.0	36551	4	US-09-964-469-3	Sequence 3, Appli	c 221	14.8	74.0	2799	1	US-08-750-007-4	Sequence 4, Appli
149	15.2	76.0	40429	4	US-09-949-016-13059	Sequence 125, App	c 222	14.8	74.0	3376	4	US-09-710-279-4055	Sequence 4055, Ap
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151	15.2	76.0	56131	4	US-09-596-003-32	Sequence 32, Appl	c 224	14.8	74.0	4923	4	US-08-781-986A-551	Sequence 551, App
152	15.2	76.0	62909	4	US-09-949-016-12270	Sequence 12270, A	c 225	14.8	74.0	5194	3	US-08-844-274-16	Sequence 16, Appl
153	15.2	76.0	63930	4	US-09-949-016-17556	Sequence 17556, A	c 226	14.8	74.0	5194	3	US-08-844-274-17	Sequence 17, Appl
154	15.2	76.0	74644	4	US-09-949-016-15231	Sequence 15231, A	c 227	14.8	74.0	5194	4	US-09-598-421-16	Sequence 16, Appl
155	15.2	76.0	75799	4	US-09-949-016-15231	Sequence 15231, A	c 228	14.8	74.0	5194	4	US-09-598-421-17	Sequence 17, Appl
156	15.2	76.0	75663	4	US-09-949-016-17099	Sequence 17099, A	c 229	14.8	74.0	5255	4	US-09-949-016-4946	Sequence 4946, Ap
157	15.2	76.0	78269	4	US-09-949-016-12497	Sequence 12497, A	c 230	14.8	74.0	5301	4	US-09-171-991-8	Sequence 8, Appli
158	15.2	76.0	82494	4	US-09-949-016-16937	Sequence 16937, A	c 231	14.8	74.0	5679	3	US-08-844-274-10	Sequence 10, Appl
159	15.2	76.0	101894	4	US-09-949-016-12005	Sequence 12005, A	c 232	14.8	74.0	5679	3	US-09-598-421-10	Sequence 10, Appl
160	15.2	76.0	102304	4	US-09-949-016-12589	Sequence 12589, A	c 233	14.8	74.0	5937	4	US-09-573-080A-39	Sequence 39, Appl
161	15.2	76.0	103894	4	US-09-949-016-14450	Sequence 14450, A	c 234	14.8	74.0	6448	3	US-08-844-274-15	Sequence 15, Appl
162	15.2	76.0	103894	4	US-09-949-016-14525	Sequence 14525, A	c 235	14.8	74.0	6448	4	US-09-598-421-15	Sequence 15, Appl
163	15.2	76.0	109690	4	US-09-949-016-15252	Sequence 15252, A	c 236	14.8	74.0	7560	3	US-08-844-274-20	Sequence 20, Appl
164	15.2	76.0	117807	4	US-09-949-016-15252	Sequence 15252, A	c 237	14.8	74.0	7560	3	US-09-598-421-20	Sequence 20, Appl
165	15.2	76.0	130563	4	US-09-949-016-12273	Sequence 12273, A	c 238	14.8	74.0	9277	4	US-09-949-016-14017	Sequence 14017, A
166	15.2	76.0	131379	4	US-09-949-016-16050	Sequence 16050, A	c 239	14.8	74.0	9277	4	US-09-949-016-17384	Sequence 17384, A
167	15.2	76.0	135030	4	US-09-949-016-14896	Sequence 14896, A	c 240	14.8	74.0	18725	4	US-09-949-016-15977	Sequence 15977, A
168	15.2	76.0	135476	4	US-09-949-016-12611	Sequence 12611, A	c 241	14.8	74.0	18725	4	US-09-949-016-15977	Sequence 15977, A
169	15.2	76.0	140725	4	US-09-949-016-17074	Sequence 17074, A	c 242	14.8	74.0	21168	4	US-09-949-016-12643	Sequence 12643, A
170	15.2	76.0	145320	4	US-09-949-016-15858	Sequence 15858, A	c 243	14.8	74.0	21168	4	US-09-949-016-14670	Sequence 14670, A
171	15.2	76.0	161652	4	US-09-497-855A-40	Sequence 40, Appl	c 244	14.8	74.0	33237	3	US-09-738-894A-3	Sequence 3, Appli
172	15.2	76.0	171700	4	US-09-949-016-12276	Sequence 12276, A	c 245	14.8	74.0	36651	4	US-09-964-469-3	Sequence 3, Appli
173	15.2	76.0	171701	4	US-09-949-016-15835	Sequence 15835, A	c 246	14.8	74.0	37412	4	US-09-949-016-17566	Sequence 17566, A

c 247	14.8	74.0	38653	4	US-09-949-016-15987	Sequence 15987, A	c 320	14.8	74.0	529885	4	US-09-949-016-14346	Sequence 14346, A
c 248	14.8	74.0	42954	4	US-09-949-016-17123	Sequence 17123, A	c 321	14.8	74.0	529885	4	US-09-949-016-14347	Sequence 14347, A
c 249	14.8	74.0	43954	4	US-09-949-016-17123	Sequence 17124, A	c 322	14.8	74.0	529885	4	US-09-949-016-14347	Sequence 14347, A
c 250	14.8	74.0	43192	4	US-09-949-016-15466	Sequence 15466, A	c 323	14.4	72.0	114	4	US-09-857-401B-9	Sequence 9, Appl1
c 251	14.8	74.0	49971	4	US-09-949-016-16688	Sequence 16688, A	c 324	14.4	72.0	190	4	US-09-513-999C-23368	Sequence 23368, A
c 252	14.8	74.0	54601	4	US-09-949-016-14173	Sequence 14173, A	c 325	14.4	72.0	201	4	US-08-956-171E-2542	Sequence 2542, Ap
c 253	14.8	74.0	56448	4	US-09-949-016-16463	Sequence 16463, A	c 326	14.4	72.0	201	4	US-08-781-986A-2542	Sequence 2542, Ap
c 254	14.8	74.0	66065	4	US-09-949-016-13292	Sequence 13292, A	c 327	14.4	72.0	263	4	US-09-513-999C-2563	Sequence 2563, Ap
c 255	14.8	74.0	67899	4	US-09-949-016-15432	Sequence 15432, A	c 328	14.4	72.0	501	4	US-09-270-767-5870	Sequence 5870, Ap
c 256	14.8	74.0	67902	4	US-09-949-016-11870	Sequence 11870, A	c 329	14.4	72.0	501	4	US-09-270-767-5870	Sequence 21152, Ap
c 257	14.8	74.0	83343	4	US-09-949-016-12242	Sequence 12242, A	c 330	14.4	72.0	567	4	US-09-953-780-1	Sequence 1, Appl1
c 258	14.8	74.0	83497	4	US-09-949-016-12517	Sequence 12517, A	c 331	14.4	72.0	567	4	US-09-393-862-1	Sequence 1, Appl1
c 259	14.8	74.0	90724	4	US-09-949-016-16601	Sequence 16601, A	c 332	14.4	72.0	593	4	US-09-513-999C-10706	Sequence 10706, A
c 260	14.8	74.0	92074	4	US-09-949-016-17163	Sequence 17163, A	c 333	14.4	72.0	601	4	US-09-949-016-18066	Sequence 18066, A
c 261	14.8	74.0	92304	4	US-09-949-016-15943	Sequence 15943, A	c 334	14.4	72.0	601	4	US-09-949-016-18066	Sequence 183875, A
c 262	14.8	74.0	92334	4	US-09-949-016-13920	Sequence 13920, A	c 335	14.4	72.0	601	4	US-09-949-016-183876	Sequence 183876, A
c 263	14.8	74.0	92363	4	US-09-949-016-12146	Sequence 12146, A	c 336	14.4	72.0	768	4	US-09-328-352-4030	Sequence 4030, Ap
c 264	14.8	74.0	93778	4	US-09-949-016-15096	Sequence 15096, A	c 337	14.4	72.0	768	4	US-09-540-236-812	Sequence 812, App
c 265	14.8	74.0	93920	4	US-09-949-016-12461	Sequence 12461, A	c 338	14.4	72.0	891	4	US-09-270-767-10351	Sequence 10351, A
c 266	14.8	74.0	93920	4	US-09-949-016-16853	Sequence 16853, A	c 339	14.4	72.0	891	4	US-09-248-796A-4384	Sequence 4384, Ap
c 267	14.8	74.0	96074	4	US-09-949-016-13760	Sequence 13760, A	c 340	14.4	72.0	1353	4	US-09-248-796A-1253	Sequence 1253, Ap
c 268	14.8	74.0	96074	4	US-09-949-016-13611	Sequence 13611, A	c 341	14.4	72.0	1581	4	US-09-248-796A-704	Sequence 704, App
c 269	14.8	74.0	106418	4	US-09-949-016-13974	Sequence 13974, A	c 342	14.4	72.0	1824	3	US-08-134-001C-157	Sequence 157, App
c 270	14.8	74.0	115963	4	US-09-949-016-12298	Sequence 12298, A	c 343	14.4	72.0	2429	3	US-09-386-493-3	Sequence 3, Appl1
c 271	14.8	74.0	129899	4	US-09-949-016-14684	Sequence 14684, A	c 344	14.4	72.0	2553	4	US-09-614-221A-350	Sequence 350, App
c 272	14.8	74.0	143550	4	US-09-949-016-14143	Sequence 14143, A	c 345	14.4	72.0	16500	4	US-09-949-016-13425	Sequence 13425, A
c 273	14.8	74.0	143522	4	US-09-949-016-15316	Sequence 15316, A	c 346	14.4	72.0	18798	4	US-09-949-016-17531	Sequence 17531, A
c 274	14.8	74.0	148156	4	US-09-949-016-11776	Sequence 11776, A	c 347	14.4	72.0	27412	4	US-09-949-016-17025	Sequence 17025, A
c 275	14.8	74.0	149543	4	US-09-949-016-15947	Sequence 15947, A	c 348	14.4	72.0	47403	4	US-09-949-016-15008	Sequence 15008, A
c 276	14.8	74.0	162914	4	US-09-949-016-15578	Sequence 15578, A	c 349	14.4	72.0	75395	4	US-09-984-890-3	Sequence 3, Appl1
c 277	14.8	74.0	228851	4	US-09-949-016-13781	Sequence 13781, A	c 350	14.4	72.0	75395	4	US-10-274-194-3	Sequence 38, Appl1
c 278	14.8	74.0	236474	4	US-09-949-016-13418	Sequence 13418, A	c 351	14.4	72.0	79350	4	US-09-949-016-12467	Sequence 12467, A
c 279	14.8	74.0	245286	4	US-09-949-016-15497	Sequence 15497, A	c 352	14.4	72.0	79351	4	US-09-949-016-16275	Sequence 16275, A
c 280	14.8	74.0	246230	4	US-09-949-016-17019	Sequence 17019, A	c 353	14.4	72.0	85869	4	US-09-949-016-12017	Sequence 12017, A
c 281	14.8	74.0	246230	4	US-09-949-016-17020	Sequence 17020, A	c 354	14.4	72.0	85878	4	US-09-949-016-16321	Sequence 16321, A
c 282	14.8	74.0	246230	4	US-09-949-016-17021	Sequence 17021, A	c 355	14.4	72.0	86936	4	US-09-949-016-17314	Sequence 17314, A
c 283	14.8	74.0	246230	4	US-09-949-016-17022	Sequence 17022, A	c 356	14.4	72.0	94750	4	US-09-596-002-38	Sequence 38, Appl1
c 284	14.8	74.0	247781	4	US-09-949-016-14193	Sequence 14193, A	c 357	14.4	72.0	99629	4	US-09-596-002-37	Sequence 37, Appl1
c 285	14.8	74.0	260247	4	US-09-949-016-13358	Sequence 13358, A	c 358	14.4	72.0	108310	4	US-09-949-016-16366	Sequence 16366, A
c 286	14.8	74.0	263693	4	US-09-949-016-12386	Sequence 12386, A	c 359	14.4	72.0	111424	4	US-09-949-016-17014	Sequence 17014, A
c 287	14.8	74.0	263694	4	US-09-949-016-16915	Sequence 16915, A	c 360	14.4	72.0	232024	4	US-09-949-016-13477	Sequence 13477, A
c 288	14.8	74.0	266748	4	US-09-949-016-13187	Sequence 13187, A	c 361	14.4	72.0	254366	4	US-09-822-871-3	Sequence 3, Appl1
c 289	14.8	74.0	266748	4	US-09-949-016-13188	Sequence 13188, A	c 362	14.4	72.0	254366	4	US-09-949-016-12706	Sequence 12706, A
c 290	14.8	74.0	271134	4	US-09-949-016-12705	Sequence 12705, A	c 363	14.4	72.0	275110	4	US-09-949-016-16070	Sequence 16070, A
c 291	14.8	74.0	275110	4	US-09-949-016-12706	Sequence 12706, A	c 364	14.4	72.0	278866	4	US-09-949-016-13922	Sequence 13922, A
c 292	14.8	74.0	275110	4	US-09-949-016-16070	Sequence 16070, A	c 365	14.4	72.0	278866	4	US-09-949-016-13923	Sequence 13923, A
c 293	14.8	74.0	305491	4	US-09-949-016-17550	Sequence 17550, A	c 366	14.4	72.0	278866	4	US-09-949-016-13924	Sequence 13924, A
c 294	14.8	74.0	321022	4	US-09-949-016-11852	Sequence 11852, A	c 367	14.4	72.0	278866	4	US-09-949-016-13925	Sequence 13925, A
c 295	14.8	74.0	321022	4	US-09-949-016-14166	Sequence 14166, A	c 368	14.4	72.0	278866	4	US-09-949-016-13926	Sequence 13926, A
c 296	14.8	74.0	363032	4	US-09-949-016-12415	Sequence 12415, A	c 369	14.4	72.0	278866	4	US-09-949-016-14699	Sequence 14699, A
c 297	14.8	74.0	363032	4	US-09-949-016-15754	Sequence 15754, A	c 370	14.4	72.0	278866	4	US-09-949-016-14700	Sequence 14700, A
c 298	14.8	74.0	385136	4	US-09-949-016-16073	Sequence 16073, A	c 371	14.4	72.0	278866	4	US-09-949-016-14701	Sequence 14701, A
c 299	14.8	74.0	524032	4	US-09-949-016-16928	Sequence 16928, A	c 372	14.4	72.0	278866	4	US-09-949-016-14702	Sequence 14702, A
c 300	14.8	74.0	524032	4	US-09-949-016-16928	Sequence 16928, A	c 373	14.4	72.0	278866	4	US-09-949-016-14703	Sequence 14703, A
c 301	14.8	74.0	524032	4	US-09-949-016-16929	Sequence 16929, A	c 374	14.4	72.0	580073	4	US-08-545-528D-1	Sequence 1, Appl1
c 302	14.8	74.0	524032	4	US-09-949-016-16929	Sequence 16929, A	c 375	14.4	72.0	786431	4	US-09-751-389-3	Sequence 3, Appl1
c 303	14.8	74.0	524032	4	US-09-949-016-16930	Sequence 16930, A	c 376	14.2	71.0	64	4	US-09-513-999C-35005	Sequence 35005, A
c 304	14.8	74.0	524032	4	US-09-949-016-16930	Sequence 16930, A	c 377	14.2	71.0	191	4	US-09-513-999C-23206	Sequence 23206, A
c 305	14.8	74.0	524032	4	US-09-949-016-16931	Sequence 16931, A	c 378	14.2	71.0	191	4	US-09-513-999C-21820	Sequence 21820, A
c 306	14.8	74.0	524032	4	US-09-949-016-16931	Sequence 16931, A	c 379	14.2	71.0	241	4	US-09-389-681-402	Sequence 402, App
c 307	14.8	74.0	529885	4	US-09-949-016-14340	Sequence 14340, A	c 380	14.2	71.0	241	4	US-09-620-405B-402	Sequence 402, App
c 308	14.8	74.0	529885	4	US-09-949-016-14340	Sequence 14340, A	c 381	14.2	71.0	241	4	US-09-433-826B-402	Sequence 402, App
c 309	14.8	74.0	529885	4	US-09-949-016-14341	Sequence 14341, A	c 382	14.2	71.0	241	4	US-09-604-287A-402	Sequence 402, App
c 310	14.8	74.0	529885	4	US-09-949-016-14341	Sequence 14341, A	c 383	14.2	71.0	241	4	US-09-834-759-402	Sequence 402, App
c 311	14.8	74.0	529885	4	US-09-949-016-14342	Sequence 14342, A	c 384	14.2	71.0	241	4	US-09-590-751A-402	Sequence 402, App
c 312	14.8	74.0	529885	4	US-09-949-016-14342	Sequence 14342, A	c 385	14.2	71.0	241	4	US-09-551-621-402	Sequence 402, App
c 313	14.8	74.0	529885	4	US-09-949-016-14343	Sequence 14343, A	c 386	14.2	71.0	246	4	US-09-248-796A-10420	Sequence 10420, A
c 314	14.8	74.0	529885	4	US-09-949-016-14343	Sequence 14343, A	c 387	14.2	71.0	411	3	US-08-444-644-16	Sequence 16, Appl1
c 315	14.8	74.0	529885	4	US-09-949-016-14344	Sequence 14344, A	c 388	14.2	71.0	411	3	US-08-232-246A-16	Sequence 16, Appl1
c 316	14.8	74.0	529885	4	US-09-949-016-14344	Sequence 14344, A	c 389	14.2	71.0	420	4	US-09-621-976-9399	Sequence 9399, Ap
c 317	14.8	74.0	529885	4	US-09-949-016-14345	Sequence 14345, A	c 390	14.2	71.0	477	4	US-09-513-999C-11743	Sequence 11743, A
c 318	14.8	74.0	529885	4	US-09-949-016-14345	Sequence 14345, A	c 391	14.2	71.0	480	4	US-09-710-279-2711	Sequence 2711, Ap
c 319	14.8	74.0	529885	4	US-09-949-016-14346	Sequence 14346, A	c 392	14.2	71.0	513	4	US-09-621-976-2205	Sequence 2205, Ap

333	14.2	71.0	543	4	US-09-648-004-1	Sequence 1, Appli	466	14.2	71.0	2530	4	US-09-917-254-6	Sequence 6, Appli
334	14.2	71.0	543	4	US-10-272-419-1	Sequence 1, Appli	467	14.2	71.0	2568	4	US-09-799-451-193	Sequence 193, App
335	14.2	71.0	567	4	US-09-248-796A-8797	Sequence 1077, Ap	468	14.2	71.0	3007	4	US-09-710-279-3846	Sequence 3846, Ap
336	14.2	71.0	575	4	US-09-663-751-108	Sequence 8, App	469	14.2	71.0	3090	4	US-09-710-279-3599	Sequence 3599, Ap
337	14.2	71.0	584	4	US-09-735-846-5	Sequence 5, Appli	470	14.2	71.0	3176	4	US-08-956-171E-415	Sequence 415, App
338	14.2	71.0	589	4	US-09-270-767-7149	Sequence 7149, Ap	471	14.2	71.0	3176	4	US-08-781-986A-415	Sequence 415, App
339	14.2	71.0	589	4	US-09-270-767-7149	Sequence 2431, A	472	14.2	71.0	3270	4	US-09-919-497-33	Sequence 33, Appl
340	14.2	71.0	601	4	US-09-949-016-26491	Sequence 26491, A	473	14.2	71.0	3533	2	US-08-476-062A-40	Sequence 40, Appl
341	14.2	71.0	601	4	US-09-949-016-26492	Sequence 26492, A	474	14.2	71.0	3533	5	PCT-US96-01314-40	Sequence 40, Appl
342	14.2	71.0	601	4	US-09-949-016-26493	Sequence 26493, A	475	14.2	71.0	3533	6	PCT-US96-01314-40	Sequence 40, Appl
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345	14.2	71.0	601	4	US-09-949-016-27412	Sequence 27412, A	478	14.2	71.0	3649	4	US-09-710-279-3340	Sequence 3340, Ap
346	14.2	71.0	601	4	US-09-949-016-32635	Sequence 32635, A	479	14.2	71.0	3666	4	US-09-710-279-4230	Sequence 4230, Ap
347	14.2	71.0	601	4	US-09-949-016-39198	Sequence 39198, A	480	14.2	71.0	3864	4	US-09-710-279-3727	Sequence 3727, Ap
348	14.2	71.0	601	4	US-09-949-016-39200	Sequence 39200, A	481	14.2	71.0	3906	4	US-09-799-451-30	Sequence 30, Appl
349	14.2	71.0	601	4	US-09-949-016-39201	Sequence 39201, A	482	14.2	71.0	4308	4	US-09-023-655-1178	Sequence 1178, Ap
350	14.2	71.0	601	4	US-09-949-016-40703	Sequence 40703, A	483	14.2	71.0	4308	4	US-09-614-221A-599	Sequence 599, App
351	14.2	71.0	601	4	US-09-949-016-46841	Sequence 46841, A	484	14.2	71.0	4407	3	US-08-976-259-75	Sequence 75, Appl
352	14.2	71.0	601	4	US-09-949-016-46842	Sequence 46842, A	485	14.2	71.0	4407	4	US-09-956-004-75	Sequence 75, Appl
353	14.2	71.0	601	4	US-09-949-016-45812	Sequence 45812, A	486	14.2	71.0	5379	6	5223424-5	Patent No. 5223424
354	14.2	71.0	601	4	US-09-949-016-60615	Sequence 60615, A	487	14.2	71.0	5379	6	5223424-5	Patent No. 5223424
355	14.2	71.0	601	4	US-09-949-016-60616	Sequence 60616, A	488	14.2	71.0	5423	4	US-08-956-171E-24	Sequence 24, Appl
356	14.2	71.0	601	4	US-09-949-016-62977	Sequence 62977, A	489	14.2	71.0	5423	4	US-08-781-986A-24	Sequence 24, Appl
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358	14.2	71.0	601	4	US-09-949-016-69439	Sequence 69439, A	491	14.2	71.0	6367	3	US-08-776-511-3	Sequence 3, Appli
359	14.2	71.0	601	4	US-09-949-016-69863	Sequence 69863, A	492	14.2	71.0	6926	1	US-08-470-299-2	Sequence 2, Appli
360	14.2	71.0	601	4	US-09-949-016-69864	Sequence 69864, A	493	14.2	71.0	6933	3	US-09-028-851-1	Sequence 1, Appli
361	14.2	71.0	601	4	US-09-949-016-69865	Sequence 69865, A	494	14.2	71.0	6933	3	US-08-815-520-1	Sequence 1, Appli
362	14.2	71.0	601	4	US-09-949-016-69865	Sequence 69865, A	495	14.2	71.0	6933	3	US-09-273-163-1	Sequence 1, Appli
363	14.2	71.0	601	4	US-09-949-016-85029	Sequence 85029, A	496	14.2	71.0	7720	3	US-09-318-448-5	Sequence 5, Appli
364	14.2	71.0	601	4	US-09-949-016-85030	Sequence 85030, A	497	14.2	71.0	9458	4	US-08-956-171E-114	Sequence 114, App
365	14.2	71.0	601	4	US-09-949-016-85180	Sequence 85180, A	498	14.2	71.0	9458	4	US-08-781-986A-114	Sequence 114, App
366	14.2	71.0	601	4	US-09-949-016-85181	Sequence 85181, A	499	14.2	71.0	10785	3	US-08-444-644-27	Sequence 27, Appl
367	14.2	71.0	601	4	US-09-949-016-85182	Sequence 85182, A	500	14.2	71.0	10785	3	US-08-232-246A-27	Sequence 27, Appl
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369	14.2	71.0	601	4	US-09-949-016-120897	Sequence 120897, A							
370	14.2	71.0	601	4	US-09-949-016-149449	Sequence 149449, A							
371	14.2	71.0	601	4	US-09-949-016-158353	Sequence 158353, A							
372	14.2	71.0	601	4	US-09-949-016-163204	Sequence 163204, A							
373	14.2	71.0	601	4	US-09-949-016-164972	Sequence 164972, A							
374	14.2	71.0	601	4	US-09-949-016-167843	Sequence 167843, A							
375	14.2	71.0	601	4	US-09-949-016-167845	Sequence 167845, A							
376	14.2	71.0	601	4	US-09-949-016-167846	Sequence 167846, A							
377	14.2	71.0	601	4	US-09-949-016-169474	Sequence 169474, A							
378	14.2	71.0	601	4	US-09-949-016-199238	Sequence 199238, A							
379	14.2	71.0	609	4	US-09-248-796A-3922	Sequence 3922, Ap							
380	14.2	71.0	669	4	US-09-328-352-2562	Sequence 2562, Ap							
381	14.2	71.0	699	4	US-09-489-039A-6062	Sequence 6062, Ap							
382	14.2	71.0	702	4	US-09-248-796A-1746	Sequence 1746, Ap							
383	14.2	71.0	716	2	US-08-607-412-1	Sequence 1, Appli							
384	14.2	71.0	774	4	US-09-710-279-3243	Sequence 3243, Ap							
385	14.2	71.0	804	3	US-09-134-001C-1702	Sequence 1702, Ap							
386	14.2	71.0	825	4	US-08-956-171E-1111	Sequence 1111, Ap							
387	14.2	71.0	825	4	US-08-781-986A-1111	Sequence 1111, Ap							
388	14.2	71.0	885	4	US-09-540-236-1751	Sequence 1751, Ap							
389	14.2	71.0	888	4	US-09-583-110-520	Sequence 520, App							
390	14.2	71.0	900	4	US-09-248-796A-6667	Sequence 6667, Ap							
391	14.2	71.0	909	4	US-09-489-039A-3352	Sequence 3352, Ap							
392	14.2	71.0	972	4	US-09-107-433-807	Sequence 807, App							
393	14.2	71.0	1047	3	US-08-936-165A-221	Sequence 221, App							
394	14.2	71.0	1143	3	US-09-134-001C-1721	Sequence 1721, Ap							
395	14.2	71.0	1146	4	US-09-540-236-1401	Sequence 1401, Ap							
396	14.2	71.0	1206	4	US-09-602-777A-281	Sequence 281, App							
397	14.2	71.0	1209	4	US-09-328-352-1076	Sequence 1076, Ap							
398	14.2	71.0	1299	4	US-09-107-532A-3182	Sequence 3182, App							
399	14.2	71.0	1403	4	US-09-620-312D-746	Sequence 746, App							
400	14.2	71.0	1494	4	US-09-735-846-19	Sequence 19, Appl							
401	14.2	71.0	1521	4	US-09-248-796A-5972	Sequence 5972, Ap							
402	14.2	71.0	1773	4	US-09-493-050A-51	Sequence 51, Appl							
403	14.2	71.0	1863	4	US-09-248-796A-4648	Sequence 4648, Ap							
404	14.2	71.0	1974	1	US-08-413-135-3	Sequence 3, Appli							
405	14.2	71.0	1974	3	US-08-971-395-3	Sequence 3, Appli							
406	14.2	71.0	2503	4	US-09-602-777A-277	Sequence 277, App							

ALIGNMENTS

RESULT 1
US-09-280-181B-2
; Sequence 2, Application US/09280181B
; Patent No. 6280941
; GENERAL INFORMATION:
; APPLICANT: Betty P. Tsao (Inventor)
; APPLICANT: Rita M. Cantor (Inventor)
; APPLICANT: Jerome I. Rotter (Inventor)
; TITLE OF INVENTION: Genetic Marker Test for Lupus
; FILE REFERENCE: P07 41735
; CURRENT APPLICATION NUMBER: US/09/280.181B
; CURRENT FILING DATE: 1999-03-29
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-280-181B-2

Query Match 100.0%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.59; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0

QY 1 AAATTGGTGAATGACTGCA 20
|||||
Db 1 AAATTGGTGAATGACTGCA 20

RESULT 2
US-08-956-171E-1722/c
; Sequence 1722, Application US/08956171E
; Patent No. 6593114


```
;
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; Gil H. Choi
; Patrick S. Dillon
; Craig A. Rosen
; Steven C. Barash
; Michael R. Fannon
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5256
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/956,171E
; FILING DATE: 20-Oct-1997
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/009,861
; FILING DATE: January 5, 1996
; APPLICATION NUMBER: 08/781,986
; FILING DATE: January 3, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark J. Hyman
; REGISTRATION NUMBER: 46,789
; REFERENCE/DOCKET NUMBER: PB248P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (240) 314-1224
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 1722:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 1722:
US-08-956-171E-1722

Query Match      84.0%; Score 16.8; DB 4; Length 325;
Best Local Similarity 90.0%; Pred. No. 41;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 AAATTGCTGTAATGACTGCA 20
DB      57 AACGTGTGTAATGACTGCA 38

RESULT 3
US-08-781-986A-1722/c
; Sequence 1722, Application US/08781986A
; Patent No. 6737248
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5255
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
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;
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/781,986A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Benson, Bob
; REGISTRATION NUMBER: 30,446
; REFERENCE/DOCKET NUMBER: PB248PPP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 1722:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; US-08-781-986A-1722

Query Match      84.0%; Score 16.8; DB 4; Length 325;
Best Local Similarity 90.0%; Pred. No. 41;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 AAATTGCTGTAATGACTGCA 20
DB      57 AACGTGTGTAATGACTGCA 38

RESULT 4
US-09-949-016-87851/c
; Sequence 87851, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 87851
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-87851

Query Match      84.0%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 AAATTGCTGTAATGACTGCA 20
DB      250 AAATTGAGGTAATGATTGCA 231

RESULT 5
US-09-949-016-87852/c
; Sequence 87852, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
```

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 87852
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-87852

Query Match 84.0%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTGCA 20
||||| ||||||| |||||
Db 249 AAATTGAGGTAATGATTGCA 230

RESULT 6
US-09-949-016-183202/c
; Sequence 183202, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 183202
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-183202

Query Match 84.0%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTGCA 20
||||| ||||||| |||||
Db 156 AAATTGGTGATGATTGCA 137

RESULT 7
US-09-949-016-186785/c
; Sequence 186785, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 186785
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-186785

Query Match 84.0%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTGCA 20
||||| ||||||| |||||
Db 520 AAATTGGTGATGCTGCA 501

RESULT 8
US-09-949-016-186786/c
; Sequence 186786, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 186786
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-186786

Query Match 84.0%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTGCA 20
||||| ||||||| |||||
Db 392 AAATTGGTGATGCTGCA 373

RESULT 9
US-08-956-171E-38
; Sequence 38, Application US/08956171E
; Patent No. 6593114
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; Gil H. Choi
; Patrick S. Dillon
; Craig A. Rosen
; Steven C. Barash
; Michael R. Fannon
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5256
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue

CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4MB storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/956,171E
FILING DATE: 20-Oct-1997
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/009,861
FILING DATE: January 5, 1996
APPLICATION NUMBER: 08/781,986
FILING DATE: January 3, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Mark J. Hyman
REGISTRATION NUMBER: 46,789
REFERENCE/DOCKET NUMBER: PB248P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (240) 314-1224
TELEFAX: (301) 309-8439
INFORMATION FOR SEQ ID NO: 38:
SEQUENCE CHARACTERISTICS:
LENGTH: 23439 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 38:
US-08-956-171E-38

```

Query Match      84.0%; Score 16.8; DB 4; Length 23439;
Best Local Similarity 90.0%; Pred.No. 87;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1  AAATTGGTGAATCACTGCA 20
Db      22929 AACGTGTGGTAAATCACTGCA 22948

```

RESULT 10
US-08-781-986A-38
; Sequence 38, Application US/08781986A
; Patent No. 6737248
; GENERAL INFORMATION:
; APPLICANT: Charles Kunesch
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5255
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/781,986A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Benson, Bob
; REGISTRATION NUMBER: 30,446

```

, REFERENCE/DOCKET NUMBER: P82489P
,
, TELECOMMUNICATION INFORMATION:
, TELEPHONE: (301) 309-8504
, TELEFAX: (301) 309-8512
, INFORMATION FOR SEQ ID NO: 38:
, SEQUENCE CHARACTERISTICS:
, LENGTH: 23439 base pairs
, TYPE: nucleic acid
, STRANDEDNESS: double
, TOPOLOGY: linear
US-08-781-986A-38

```

```

Query Match      84.0%; Score 16.8; DB 4; Length 23439;
Best Local Similarity 90.0%; Pred. No. 87;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1 AAATTGTGGTAATGACTGCA 20
Db      22929 AACGTGTGGTAATGACTGCA 22948

```

```

RESULT 11
US-09-949-016-17554/c
; Sequence 17554, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 17554
; LENGTH: 62908
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(62908)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-17554

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```
Query Match      84.0%; Score 16.8; DB 4; Length 62908;
Best Local Similarity 90.0%; Pred. No. 1e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy    1 AAATTGGTGAATGACTGCA 20
      ||| ||||| ||||| |||
Db    38163 AAACGTGGTAAATGATTGCA 38144
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RESULT 12
US-09-949-016-11945/c
; Sequence 11945, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11945
; LENGTH: 86439
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-11945

Query Match 84.0%; Score 16.8; DB 4; Length 86439;
Best Local Similarity 90.0%; Pred. No. 1.1e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGCTGTAATGACTGCA 20
|||||
Db 23617 AAATTGCTGATGATGCA 23598

RESULT 13

US-09-949-016-16990/c
; Sequence 16990, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16990
; LENGTH: 86440
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16990

Query Match 84.0%; Score 16.8; DB 4; Length 86440;
Best Local Similarity 90.0%; Pred. No. 1.1e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGCTGTAATGACTGCA 20
|||||
Db 23617 AAATTGCTGATGATGCA 23598

RESULT 14

US-09-949-016-17078/c
; Sequence 17078, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 17078
; LENGTH: 123463
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(123463)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-17078

Query Match 84.0%; Score 16.8; DB 4; Length 123463;
Best Local Similarity 90.0%; Pred. No. 1.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGCTGTAATGACTGCA 20
|||||
Db 29756 AAATTGCTGATGCTGCA 29737

RESULT 15

US-09-949-016-12257/c
; Sequence 12257, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12257
; LENGTH: 129327
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(129327)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12257

Query Match 84.0%; Score 16.8; DB 4; Length 129327;
Best Local Similarity 90.0%; Pred. No. 1.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGCTGTAATGACTGCA 20
|||||
Db 68053 AAATTGCTGATGCTGCA 68034

RESULT 16

US-09-949-016-15368/c
; Sequence 15368, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15368
; LENGTH: 129327
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(129327)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15368

Query Match 84.0%; Score 16.8; DB 4; Length 129327;
Best Local Similarity 90.0%; Pred. No. 1.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTGCA 20
|||||
DB 68053 AAATTGGTGAATGACTGCA 68034

RESULT 17
US-09-949-016-15999
; Sequence 15999, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15999
; LENGTH: 169334
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(169334)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15999

Query Match 84.0%; Score 16.8; DB 4; Length 169334;
Best Local Similarity 90.0%; Pred. No. 1.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTGCA 20
|||||
DB 62791 AAATTGGTGAATGACTGCA 62810

RESULT 18
US-09-949-016-13477
; Sequence 13477, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13477
; LENGTH: 232024
; TYPE: DNA
; ORGANISM: Human
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13477

Query Match 84.0%; Score 16.8; DB 4; Length 232024;
Best Local Similarity 90.0%; Pred. No. 1.3e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTGCA 20
|||||
DB 130268 AAATTGGTGAATGACTGCA 130287

RESULT 19
US-09-949-016-12583/c
; Sequence 12583, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12583
; LENGTH: 254964
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(254964)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12583

Query Match 84.0%; Score 16.8; DB 4; Length 254964;
Best Local Similarity 90.0%; Pred. No. 1.3e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTGCA 20
|||||
DB 16610 AAATTGGTGAATGACTGCA 16591

RESULT 20
US-09-949-016-17392/c
; Sequence 17392, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768

```
/ PRIOR FILING DATE: 2000-10-03
/ PRIOR APPLICATION NUMBER: 60/231,498
/ PRIOR FILING DATE: 2000-09-08
/ NUMBER OF SEQ ID NOS: 207012
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 17392
/ LENGTH: 254964
/ TYPE: DNA
/ ORGANISM: Human
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (1)...(254964)
/ OTHER INFORMATION: n = A,T,C or G
US-09-949-016-17392

Query Match      84.0%; Score 16.8; DB 4; Length 254964;
Best Local Similarity 90.0%; Pred. No. 1.3e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTGCA 20
    ||||| ||||| ||||| |||||
Db 16610 AAATAGTGGTAATGATGCA 16591

RESULT 21
US-09-949-016-12505/c
/ Sequence 12505, Application US/09949016
/ Patent No. 6812339
/ GENERAL INFORMATION:
/ APPLICANT: VENTER, J. Craig et al.
/ TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
/ FILE REFERENCE: CL001307
/ CURRENT APPLICATION NUMBER: US/09/949,016
/ CURRENT FILING DATE: 2000-04-14
/ PRIOR APPLICATION NUMBER: 60/241,755
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/237,768
/ PRIOR FILING DATE: 2000-10-03
/ PRIOR APPLICATION NUMBER: 60/231,498
/ PRIOR FILING DATE: 2000-09-08
/ NUMBER OF SEQ ID NOS: 207012
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 12505
/ LENGTH: 670689
/ TYPE: DNA
/ ORGANISM: Human
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (1)...(670689)
/ OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12505

Query Match      84.0%; Score 16.8; DB 4; Length 670689;
Best Local Similarity 90.0%; Pred. No. 1.5e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTGCA 20
    ||||| ||||| ||||| |||||
Db 35983 AAATTGAGGTAATGATGCA 359864

RESULT 22
US-09-949-016-14207/c
/ Sequence 14207, Application US/09949016
/ Patent No. 6812339
/ GENERAL INFORMATION:
/ APPLICANT: VENTER, J. Craig et al.
/ TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
/ FILE REFERENCE: CL001307
/ CURRENT APPLICATION NUMBER: US/09/949,016
/ CURRENT FILING DATE: 2000-04-14
```

```
/ PRIOR APPLICATION NUMBER: 60/241,755
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/237,768
/ PRIOR FILING DATE: 2000-10-03
/ PRIOR APPLICATION NUMBER: 60/231,498
/ PRIOR FILING DATE: 2000-09-08
/ NUMBER OF SEQ ID NOS: 207012
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 14207
/ LENGTH: 670690
/ TYPE: DNA
/ ORGANISM: Human
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (1)...(670690)
/ OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14207

Query Match      84.0%; Score 16.8; DB 4; Length 670690;
Best Local Similarity 90.0%; Pred. No. 1.5e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTGCA 20
    ||||| ||||| ||||| |||||
Db 35983 AAATTGAGGTAATGATGCA 359864

RESULT 23
US-09-751-389-3/c
/ Sequence 3, Application US/09751389
/ Patent No. 6630334
/ GENERAL INFORMATION:
/ APPLICANT: GUEGLER, Karl et al
/ TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
/ TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
/ FILE REFERENCE: CL001067
/ CURRENT APPLICATION NUMBER: US/09/751,389
/ CURRENT FILING DATE: 2001-01-02
/ NUMBER OF SEQ ID NOS: 8
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 3
/ LENGTH: 786431
/ TYPE: DNA
/ ORGANISM: Human
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (1)...(786431)
/ OTHER INFORMATION: n = A,T,C or G
US-09-751-389-3

Query Match      84.0%; Score 16.8; DB 4; Length 786431;
Best Local Similarity 90.0%; Pred. No. 1.5e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTGCA 20
    ||||| ||||| ||||| |||||
Db 282900 AAATTGAGGTAATGACTGCA 282881

RESULT 24
US-09-222-575-50/c
/ Sequence 50, Application US/09222575
/ Patent No. 6387697
/ GENERAL INFORMATION:
/ APPLICANT: Yuqiu, Jiang
/ APPLICANT: Dillon, Davin C.
/ APPLICANT: Mitcham, Jennifer L.
/ APPLICANT: Xu, Jiangchun
/ TITLE OF INVENTION: Compositions for the Treatment and Diagnosis of Breast Cancer
/ TITLE OF INVENTION: and Methods for Their Use
/ FILE REFERENCE: 210121.470
/ CURRENT APPLICATION NUMBER: US/09/222,575
```

; CURRENT FILING DATE: 1998-12-28
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 50
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Human
US-09-222-575-50

Query Match 82.0%; Score 16.4; DB 3; Length 271;
Best Local Similarity 94.4%; Pred. No. 64;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AAATTGGTAAATGACTG 18
|||||
Db 232 AAATTGGTAAAGACTG 215

RESULT 25
US-09-389-681-50/c
; Sequence 50, Application US/09389681A
; Patent No. 6518237
; GENERAL INFORMATION:
; APPLICANT: Yuqui, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; FILE REFERENCE: 210121.470C3
; CURRENT APPLICATION NUMBER: US/09/389,681A
; CURRENT FILING DATE: 1999-09-02
; NUMBER OF SEQ ID NOS: 463
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 50
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-389-681-50

Query Match 82.0%; Score 16.4; DB 4; Length 271;
Best Local Similarity 94.4%; Pred. No. 64;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AAATTGGTAAATGACTG 18
|||||
Db 232 AAATTGGTAAAGACTG 215

RESULT 26
US-09-620-405B-50/c
; Sequence 50, Application US/09620405B
; Patent No. 6528054
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqui
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.470C8
; CURRENT APPLICATION NUMBER: US/09/620,405B
; CURRENT FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 495
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 50
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-620-405B-50

Query Match 82.0%; Score 16.4; DB 4; Length 271;
Best Local Similarity 94.4%; Pred. No. 64;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1 AAATTGGTAAATGACTG 18
|||||
Db 232 AAATTGGTAAAGACTG 215

RESULT 27
US-09-339-338-50/c
; Sequence 50, Application US/09339338A
; Patent No. 6573368
; GENERAL INFORMATION:
; APPLICANT: Yuqui, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; FILE REFERENCE: 210121.470C2
; CURRENT APPLICATION NUMBER: US/09/339,338A
; CURRENT FILING DATE: 1999-06-23
; NUMBER OF SEQ ID NOS: 315
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 50
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-339-338-50

Query Match 82.0%; Score 16.4; DB 4; Length 271;
Best Local Similarity 94.4%; Pred. No. 64;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AAATTGGTAAATGACTG 18
|||||
Db 232 AAATTGGTAAAGACTG 215

RESULT 28
US-09-433-826B-50/c
; Sequence 50, Application US/09433826B
; Patent No. 6579973
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqui
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; FILE REFERENCE: 210121.470C4
; CURRENT APPLICATION NUMBER: US/09/433,826B
; CURRENT FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 474
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 50
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-433-826B-50

Query Match 82.0%; Score 16.4; DB 4; Length 271;
Best Local Similarity 94.4%; Pred. No. 64;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AAATTGGTAAATGACTG 18
|||||
Db 232 AAATTGGTAAAGACTG 215

RESULT 29

US-09-604-287A-50/c
; Sequence 50, Application US/09604287A
; Patent No. 6586572
; GENERAL INFORMATION:

; APPLICANT: Jiang, Yuqiu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER

; FILE REFERENCE: 210121.470C7

; CURRENT APPLICATION NUMBER: US/09/604,287A

; CURRENT FILING DATE: 2000-06-22

; NUMBER OF SEQ ID NOS: 489

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 50

; LENGTH: 271

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-604-287A-50

Query Match 82.0%; Score 16.4; DB 4; Length 271;
Best Local Similarity 94.4%; Pred. No. 64;

Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTG 18
|||||

Db 232 AAATTGGTGAATGACTG 215
|||||

RESULT 30

US-09-285-480-50/c

; Sequence 50, Application US/09285480

; Patent No. 6590076

; GENERAL INFORMATION:

; APPLICANT: Yuqiu, Jiang

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Xu, Jiangchun

; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND

; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE

; FILE REFERENCE: 210121.470C1

; CURRENT APPLICATION NUMBER: US/09/285,480

; CURRENT FILING DATE: 1999-04-02

; NUMBER OF SEQ ID NOS: 181

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 50

; LENGTH: 271

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-285-480-50

Query Match 82.0%; Score 16.4; DB 4; Length 271;
Best Local Similarity 94.4%; Pred. No. 64;

Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTG 18
|||||

Db 232 AAATTGGTGAATGACTG 215
|||||

RESULT 31

US-09-834-759-50/c

; Sequence 50, Application US/09834759

; Patent No. 6680197

; GENERAL INFORMATION:

; APPLICANT: Jiang, Yuqiu

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Xu, Jiangchun

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER

; FILE REFERENCE: 210121.470C9

; CURRENT APPLICATION NUMBER: US/09/834,759

; CURRENT FILING DATE: 2001-04-13

; NUMBER OF SEQ ID NOS: 547

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 50

; LENGTH: 271

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-834-759-50

Query Match 82.0%; Score 16.4; DB 4; Length 271;
Best Local Similarity 94.4%; Pred. No. 64;

Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTG 18
|||||

Db 232 AAATTGGTGAATGACTG 215
|||||

RESULT 32

US-09-590-751A-50/c

; Sequence 50, Application US/09590751A

; Patent No. 6756477

; GENERAL INFORMATION:

; APPLICANT: Yuqiu, Jiang

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Xu, Jiangchun

; APPLICANT: Harlocker, Susan L.

; TITLE OF INVENTION: COMPOSITIONS FOR THE THERAPY AND

; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER

; FILE REFERENCE: 210121.470C6

; CURRENT APPLICATION NUMBER: US/09/590,751A

; CURRENT FILING DATE: 2000-06-08

; NUMBER OF SEQ ID NOS: 479

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 50

; LENGTH: 271

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-590-751A-50

Query Match 82.0%; Score 16.4; DB 4; Length 271;
Best Local Similarity 94.4%; Pred. No. 64;

Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTG 18
|||||

Db 232 AAATTGGTGAATGACTG 215
|||||

RESULT 33

US-09-551-621-50/c

; Sequence 50, Application US/09551621

; Patent No. 6825175

; GENERAL INFORMATION:

; APPLICANT: Yuqiu, Jiang

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Xu, Jiangchun

; APPLICANT: Harlocker, Susan L.

; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND

; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE

; FILE REFERENCE: 210121.470C5

; CURRENT APPLICATION NUMBER: US/09/551,621

; CURRENT FILING DATE: 2000-04-17

; NUMBER OF SEQ ID NOS: 479

; SOFTWARE: FastSeq for Windows Version 3.0


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; SEQ ID NO 50
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-551-621-50

Query Match      82.0%; Score 16.4; DB 4; Length 271;
Best Local Similarity 94.4%; Pred. No. 64;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTG 18
Db 232 AAATTGCGTAAGACTG 215

RESULT 34
US-09-702-705-1279
; Sequence 1279, Application US/09702705
; Patent No. 6504010
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedwick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.478C14
; CURRENT APPLICATION NUMBER: US/09/702,705
; CURRENT FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 1833
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1279
; LENGTH: 580
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-702-705-1279

Query Match      82.0%; Score 16.4; DB 4; Length 580;
Best Local Similarity 94.4%; Pred. No. 73;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTG 18
Db 201 AAATTGCGTAAGACTG 218

RESULT 35
US-09-736-457-1279
; Sequence 1279, Application US/09736457
; Patent No. 6509448
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedwick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; APPLICANT: Wang, Aijun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.478C15
; CURRENT APPLICATION NUMBER: US/09/736,457
; CURRENT FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 1864
; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO 1279
; LENGTH: 580
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-736-457-1279

Query Match      82.0%; Score 16.4; DB 4; Length 580;
Best Local Similarity 94.4%; Pred. No. 73;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTG 18
Db 201 AAATTGCGTAAGACTG 218

RESULT 36
US-09-614-124B-1279
; Sequence 1279, Application US/09614124B
; Patent No. 6630574
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedwick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.478C9
; CURRENT APPLICATION NUMBER: US/09/614,124B
; CURRENT FILING DATE: 2001-07-11
; NUMBER OF SEQ ID NOS: 1668
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1279
; LENGTH: 580
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-614-124B-1279

Query Match      82.0%; Score 16.4; DB 4; Length 580;
Best Local Similarity 94.4%; Pred. No. 73;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTG 18
Db 201 AAATTGCGTAAGACTG 218

RESULT 37
US-09-671-325-1279
; Sequence 1279, Application US/09671325
; Patent No. 6667154
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedwick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.478C12
; CURRENT APPLICATION NUMBER: US/09/671,325
; CURRENT FILING DATE: 2000-09-26
; NUMBER OF SEQ ID NOS: 1825
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1279
; LENGTH: 580
```

```
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-671-325-1279

Query Match      82.0%; Score 16.4; DB 4; Length 580;
Best Local Similarity 94.4%; Pred. No. 73;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTG 18
   |||||
Db 201 AAATTGCGTAAGACTG 218

RESULT 38
US-09-658-824-1279
; Sequence 1279, Application US/09658824
; Patent No. 6746846
; GENERAL INFORMATION:
; APPLICANT: Wang, Tonglong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C11
; CURRENT APPLICATION NUMBER: US/09/658,824
; CURRENT FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 1788
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1279
; LENGTH: 580
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-658-824-1279

Query Match      82.0%; Score 16.4; DB 4; Length 580;
Best Local Similarity 94.4%; Pred. No. 73;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTG 18
   |||||
Db 201 AAATTGCGTAAGACTG 218

RESULT 39
US-09-949-016-157857
; Sequence 157857, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 157857
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-157857
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Query Match      82.0%; Score 16.4; DB 4; Length 601;
Best Local Similarity 94.4%; Pred. No. 74;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 ATTGTGTAATGACTGCA 20
   |||||
Db 281 ATTGTGTAATGACTGCA 298

RESULT 40
US-09-949-016-157858
; Sequence 157858, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 157858
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-157858

Query Match      82.0%; Score 16.4; DB 4; Length 601;
Best Local Similarity 94.4%; Pred. No. 74;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 ATTGTGTAATGACTGCA 20
   |||||
Db 180 ATTGTGTAATGACTGCA 197

RESULT 41
US-09-949-016-157859
; Sequence 157859, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 157859
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-157859

Query Match      82.0%; Score 16.4; DB 4; Length 601;
Best Local Similarity 94.4%; Pred. No. 74;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

OY 3 ATTGTGGTAATGACTGCA 20
|||||
Db 109 ATTGTGGTGATGACTGCA 126

RESULT 42

US-09-949-016-157860
; Sequence 157860, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 157860
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-157860

Query Match 82.0%; Score 16.4; DB 4; Length 601;
Best Local Similarity 94.4%; Pred. No. 74;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 3 ATTGTGGTAATGACTGCA 20
|||||
Db 29 ATTGTGGTGATGACTGCA 46

RESULT 43

US-09-221-017B-741/c
; Sequence 741, Application US/09221017B
; Patent No. 6444799
; GENERAL INFORMATION:

; APPLICANT: Ross, Bruce C.
; TITLE OF INVENTION: P. GINGIVALIS NUCLEOTIDES AND USES THEREOF
; NUMBER OF SEQUENCES: 1120
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 PAGE MILL ROAD
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: FastSeq for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/221,017B
; FILING DATE: 23-DEC-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PP1182
; FILING DATE: 31-DEC-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PP1546
; FILING DATE: 30-JAN-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PP2911
; FILING DATE: 09-APR-1998
; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: PCT/AU98/01023
; FILING DATE: 10-DEC-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Montoy, Gladys H
; REGISTRATION NUMBER: 32,430
; REFERENCE/DOCKET NUMBER: 27340-20021.00
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-813-5600
; TELEFAX: 650-494-0792
; TELEX: 706141

; INFORMATION FOR SEQ ID NO: 741:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 639 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: UNKNOWN
; ORIGINAL SOURCE:
; ORGANISM: PORPHYROMONAS GINGIVALIS
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1...639
US-09-221-017B-741

Query Match 82.0%; Score 16.4; DB 3; Length 639;
Best Local Similarity 94.4%; Pred. No. 74;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 3 ATTGTGGTAATGACTGCA 20
|||||
Db 561 ATTGTAGTAATGACTGCA 544

RESULT 44

US-09-671-317-149
; Sequence 149, Application US/09671317
; Patent No. 6528260
; GENERAL INFORMATION:

; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Cohen, Annick
; TITLE OF INVENTION: BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
; FILE REFERENCE: 62.US3.CIP
; CURRENT APPLICATION NUMBER: US/09/671,317
; CURRENT FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US 09/536,178
; PRIOR FILING DATE: 2000-03-23
; PRIOR APPLICATION NUMBER: PCT/IB00/00403
; PRIOR FILING DATE: 2000-03-24
; PRIOR APPLICATION NUMBER: US 60/126,269
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/131,961
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 977
; SOFTWARE: Patent.pm
; SEQ ID NO 149
; LENGTH: 1001
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 501
; OTHER INFORMATION: 12-317-259 : polymorphic base G or A
; NAME/KEY: misc binding
; LOCATION: 481_500
; OTHER INFORMATION: 12-317-259.mis1, potential
; NAME/KEY: misc binding
; LOCATION: 502..521
; OTHER INFORMATION: 12-317-259.mis2, potential complement
; NAME/KEY: primer_bind

; LOCATION: 742..759
; OTHER INFORMATION: upstream amplification primer, complement
; NAME/KEY: primer_bind
; LOCATION: 297..317
; OTHER INFORMATION: downstream amplification primer
; NAME/KEY: misc_binding
; LOCATION: 489..513
; OTHER INFORMATION: 12-317-259 potential probe
; NAME/KEY: misc_feature
; LOCATION: 426,432,443,459,841,849..850,898,914
; OTHER INFORMATION: n=a, g, c or t
US-09-671-317-149

Query Match 82.0%; Score 16.4; DB 4; Length 1001;
Best Local Similarity 94.4%; Pred. No. 80;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 ATTTGGTAATGACTGCA 20
|||||
Db 182 ATTTGGTAATGCTGCA 199
|||||

RESULT 45

US-09-702-705-1792
; Sequence 1792, Application US/09702705
; Patent No. 6504010
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C14
; CURRENT APPLICATION NUMBER: US/09/702,705
; CURRENT FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 1833
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1792
; LENGTH: 2279
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-702-705-1792

Query Match 82.0%; Score 16.4; DB 4; Length 2279;
Best Local Similarity 94.4%; Pred. No. 93;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AAATTGGTGAATGACTG 18
|||||
Db 1833 AAATTGGTGAAGACTG 1850
|||||

RESULT 46

US-09-736-457-1792
; Sequence 1792, Application US/09736457
; Patent No. 6509448
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; APPLICANT: Wang, Aijun

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C15
; CURRENT APPLICATION NUMBER: US/09/736,457
; CURRENT FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 1864
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1792
; LENGTH: 2279
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-736-457-1792

Query Match 82.0%; Score 16.4; DB 4; Length 2279;
Best Local Similarity 94.4%; Pred. No. 93;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AAATTGGTGAATGACTG 18
|||||
Db 1833 AAATTGGTGAAGACTG 1850
|||||

RESULT 47

US-09-671-325-1792
; Sequence 1792, Application US/09671325
; Patent No. 6667154
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C12
; CURRENT APPLICATION NUMBER: US/09/671,325
; CURRENT FILING DATE: 2000-09-26
; NUMBER OF SEQ ID NOS: 1825
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1792
; LENGTH: 2279
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-671-325-1792

Query Match 82.0%; Score 16.4; DB 4; Length 2279;
Best Local Similarity 94.4%; Pred. No. 93;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AAATTGGTGAATGACTG 18
|||||
Db 1833 AAATTGGTGAAGACTG 1850
|||||

RESULT 48

US-09-895-652A-7
; Sequence 7, Application US/09895652A
; Patent No. 6774223
; GENERAL INFORMATION:
; APPLICANT: Macina, Roberta
; APPLICANT: Pillai, Rageswari
; TITLE OF INVENTION: Method of Diagnosing, Monitoring, Staging, Imaging and
; TITLE OF INVENTION: Treating Colon Cancer
; FILE REFERENCE: DEX-0211
; CURRENT APPLICATION NUMBER: US/09/895,652A
; CURRENT FILING DATE: 2001-06-28
; PRIOR APPLICATION NUMBER: 60/214,515
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 39

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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 4142
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-895-652A-7

Query Match      82.0%; Score 16.4; DB 4; Length 4142;
Best Local Similarity 94.4%; Pred. No. 1e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 AAATTGCTGTAATGACTG 18
Db      3561 AAATTGCTGTAAGACTG 3578

RESULT 49
US-09-949-016-16115
; Sequence 16115, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16115
; LENGTH: 59319
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16115

Query Match      82.0%; Score 16.4; DB 4; Length 59319;
Best Local Similarity 94.4%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 AAATTGCTGTAATGACTG 18
Db      13061 AAATTGCTGTAATGATTG 13078

RESULT 50
US-09-949-016-12343
; Sequence 12343, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12343
; LENGTH: 113042
; TYPE: DNA
; ORGANISM: Human
```

US-09-949-016-12343

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Query Match      82.0%; Score 16.4; DB 4; Length 113042;
Best Local Similarity 94.4%; Pred. No. 1.8e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      3 ATTGTGGTAATGACTGCA 20
Db      47927 ATTGTGGTAATGGCTGCA 47944
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Job time : 93.1608 secs

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OM nucleic - nucleic search, using sw model

Run on: June 2, 2005, 07:14:13 ; Search time 177.386 Seconds
(without alignments)
693.114 Million cell updates/sec

Title: US-09-909-317-2

Perfect score: 20

Sequence: 1 aaattggtgaatgactgca 20

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 5706582 seqs, 3073711274 residues

Total number of hits satisfying chosen parameters: 11413164

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 500 summaries

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Published Applications NA:*

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- 10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq.*
- 12: /cgn2_6/ptodata/2/pubpna/US09D_PUBCOMB.seq.*
- 13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq.*
- 14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq.*
- 15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq.*
- 16: /cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq.*
- 17: /cgn2_6/ptodata/2/pubpna/US10E_PUBCOMB.seq.*
- 18: /cgn2_6/ptodata/2/pubpna/US10F_PUBCOMB.seq.*
- 19: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
- 20: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq.*
- 21: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
- 22: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	20	100.0	2085	11	US-09-909-317-5
3	18.4	92.0	945	19	US-10-774-355A-643
4	18	90.0	68732	18	US-10-322-281-560
5	16.8	84.0	201	18	US-10-719-993-16987
6	16.8	84.0	201	18	US-10-719-993-16988
7	16.8	84.0	256	10	US-09-764-891-9678
8	16.8	84.0	325	8	US-08-781-986A-1722
9	16.8	84.0	325	17	US-10-329-624-1722
10	16.8	84.0	663	13	US-10-027-632-218409
11	16.8	84.0	663	17	US-10-027-632-218409

12	16.8	84.0	1386	17	US-10-425-114-6765	Sequence 6765, Ap
13	16.8	84.0	2591	17	US-10-424-599-53048	Sequence 53048, A
14	16.8	84.0	23439	8	US-08-781-986A-38	Sequence 38, Appl
15	16.8	84.0	23439	17	US-10-329-624-38	Sequence 38, Appl
16	16.8	84.0	70000	17	US-10-210-723-13	Sequence 13, Appl
17	16.8	84.0	96599	14	US-10-105-948-4	Sequence 4, Appl
18	16.8	84.0	96599	17	US-10-052-482-178	Sequence 178, Ap
19	16.8	84.0	357652	18	US-10-322-696-34	Sequence 34, Appl
20	16.8	84.0	366803	18	US-10-719-993-6805	Sequence 6805, Ap
21	16.8	84.0	786431	16	US-10-412-277-3	Sequence 3, Appl
22	16.4	82.0	271	9	US-09-604-287A-50	Sequence 50, Appl
23	16.4	82.0	271	9	US-09-834-759-50	Sequence 50, Appl
24	16.4	82.0	271	9	US-09-339-338-50	Sequence 50, Appl
25	16.4	82.0	271	10	US-09-551-621-50	Sequence 50, Appl
26	16.4	82.0	271	13	US-10-007-805-50	Sequence 50, Appl
27	16.4	82.0	271	14	US-10-076-622-50	Sequence 50, Appl
28	16.4	82.0	271	16	US-10-124-805-50	Sequence 50, Appl
29	16.4	82.0	271	17	US-10-441-893-50	Sequence 50, Appl
30	16.4	82.0	453	9	US-09-880-107-635	Sequence 635, Ap
31	16.4	82.0	453	9	US-09-967-768A-53	Sequence 53, Appl
32	16.4	82.0	453	9	US-09-954-531-500	Sequence 500, Ap
33	16.4	82.0	453	19	US-10-843-641A-1567	Sequence 1567, Ap
34	16.4	82.0	453	19	US-10-843-641A-6198	Sequence 6198, Ap
35	16.4	82.0	552	18	US-10-637-855-119	Sequence 119, Ap
36	16.4	82.0	580	9	US-09-998-598-1186	Sequence 1186, Ap
37	16.4	82.0	580	9	US-09-736-457-1279	Sequence 1279, Ap
38	16.4	82.0	580	9	US-09-902-941-1279	Sequence 1279, Ap
39	16.4	82.0	580	9	US-09-849-626-1279	Sequence 1279, Ap
40	16.4	82.0	580	14	US-10-017-754-1279	Sequence 1279, Ap
41	16.4	82.0	580	16	US-10-113-872-1279	Sequence 1279, Ap
42	16.4	82.0	580	17	US-10-283-017-1279	Sequence 1279, Ap
43	16.4	82.0	588	17	US-10-174-695-2	Sequence 2, Appl
44	16.4	82.0	605	13	US-10-027-632-237280	Sequence 237280, Ap
45	16.4	82.0	605	17	US-10-027-632-237280	Sequence 237280, Ap
46	16.4	82.0	639	13	US-10-194-163-741	Sequence 741, Ap
47	16.4	82.0	697	9	US-09-777-564-1100	Sequence 1100, Ap
48	16.4	82.0	697	14	US-10-015-219-1100	Sequence 1100, Ap
49	16.4	82.0	744	15	US-10-212-677-230	Sequence 230, Ap
50	16.4	82.0	744	17	US-10-361-811-230	Sequence 230, Ap
51	16.4	82.0	744	17	US-10-369-186-230	Sequence 230, Ap
52	16.4	82.0	914	17	US-10-774-355A-909	Sequence 909, Ap
53	16.4	82.0	1001	17	US-10-294-934-149	Sequence 149, Ap
54	16.4	82.0	1143	10	US-09-283-024-2	Sequence 2, Appl
55	16.4	82.0	1143	17	US-09-998-279-25	Sequence 25, Appl
56	16.4	82.0	1405	15	US-10-106-698-1277	Sequence 1277, Ap
57	16.4	82.0	1978	17	US-10-172-118-1739	Sequence 1739, Ap
58	16.4	82.0	1978	17	US-10-342-887-1739	Sequence 1739, Ap
59	16.4	82.0	1978	19	US-10-848-755A-184	Sequence 184, Ap
60	16.4	82.0	2242	10	US-09-814-353-21643	Sequence 21643, A
61	16.4	82.0	2279	9	US-09-736-457-1792	Sequence 1792, Ap
62	16.4	82.0	2279	9	US-09-902-941-1792	Sequence 1792, Ap
63	16.4	82.0	2279	9	US-09-849-626-1792	Sequence 1792, Ap
64	16.4	82.0	2279	14	US-10-017-754-1792	Sequence 1792, Ap
65	16.4	82.0	2279	16	US-10-113-872-1792	Sequence 1792, Ap
66	16.4	82.0	2279	17	US-10-283-017-1792	Sequence 1792, Ap
67	16.4	82.0	2488	9	US-09-764-868-398	Sequence 398, Ap
68	16.4	82.0	2488	14	US-10-103-313-72	Sequence 72, Appl
69	16.4	82.0	2636	14	US-10-153-668-137	Sequence 137, Ap
70	16.4	82.0	2636	15	US-10-024-298A-50	Sequence 50, Appl
71	16.4	82.0	2636	16	US-10-042-211A-50	Sequence 50, Appl
72	16.4	82.0	2636	17	US-10-617-217A-50	Sequence 50, Appl
73	16.4	82.0	2636	18	US-10-024-298A-50	Sequence 50, Appl
74	16.4	82.0	2791	14	US-10-116-802-121	Sequence 121, Ap
75	16.4	82.0	3739	17	US-10-085-117-161	Sequence 161, Ap
76	16.4	82.0	3910	14	US-10-153-668-139	Sequence 139, Ap
77	16.4	82.0	3910	15	US-10-024-298A-52	Sequence 52, Appl
78	16.4	82.0	3910	16	US-10-042-211A-52	Sequence 52, Appl
79	16.4	82.0	3910	17	US-10-617-217A-52	Sequence 52, Appl
80	16.4	82.0	3910	18	US-10-024-298A-52	Sequence 52, Appl
81	16.4	82.0	4097	17	US-10-239-704-3	Sequence 3, Appl
82	16.4	82.0	4097	17	US-10-173-999-9	Sequence 9, Appl
83	16.4	82.0	4142	9	US-09-895-652-7	Sequence 7, Appl
84	16.4	82.0	4142	18	US-10-863-573-7	Sequence 7, Appl

c 85	16.4	82.0	74520	13	US-10-087-192-499	Sequence 499, App	158	15.2	76.0	395	10	US-09-918-995-7647	Sequence 7647, App
c 86	16.4	82.0	90468	17	US-10-085-117-160	Sequence 160, App	159	15.2	76.0	397	18	US-10-357-930-35407	Sequence 35407, App
c 87	16.4	82.0	129042	13	US-10-087-192-1240	Sequence 1240, App	160	15.2	76.0	397	18	US-10-357-930-44282	Sequence 44240, A
c 88	16.4	82.0	131870	17	US-10-351-951-1	Sequence 1, Appl	161	15.2	76.0	405	9	US-09-960-352-11682	Sequence 11682, A
c 89	16.4	82.0	201239	19	US-10-278-698-246	Sequence 246, App	162	15.2	76.0	406	9	US-09-960-352-5335	Sequence 5335, App
c 90	16.4	82.0	201239	19	US-10-278-698-760	Sequence 760, App	163	15.2	76.0	427	11	US-09-732-627A-3974	Sequence 3974, App
c 91	16.4	82.0	203264	13	US-10-087-192-988	Sequence 988, App	164	15.2	76.0	449	9	US-09-220-091-15	Sequence 15, Appl
c 92	15.8	79.0	378	18	US-10-767-701-26357	Sequence 26357, A	165	15.2	76.0	455	9	US-09-864-761-1029	Sequence 1029, App
c 93	15.8	79.0	552	17	US-10-424-599-74553	Sequence 74553, A	166	15.2	76.0	469	17	US-10-242-535A-43054	Sequence 43054, A
c 94	15.8	79.0	560	17	US-10-424-599-138203	Sequence 138203, A	167	15.2	76.0	469	17	US-10-085-783A-43054	Sequence 43054, A
c 95	15.8	79.0	598	13	US-10-027-632-217022	Sequence 217022, A	168	15.2	76.0	472	17	US-10-152-319A-921	Sequence 921, App
c 96	15.8	79.0	608	17	US-10-027-632-217022	Sequence 217022, A	169	15.2	76.0	474	10	US-09-814-353-16316	Sequence 16316, A
c 97	15.8	79.0	608	18	US-10-437-963-88614	Sequence 88614, A	170	15.2	76.0	501	18	US-10-425-115-57006	Sequence 57006, A
c 98	15.8	79.0	743	18	US-10-425-115-175398	Sequence 175398, A	171	15.2	76.0	510	17	US-10-424-599-135090	Sequence 135090, A
c 99	15.8	79.0	827	17	US-10-172-118-269	Sequence 269, App	172	15.2	76.0	545	13	US-10-027-632-225398	Sequence 225398, A
c 100	15.8	79.0	827	17	US-10-342-887-269	Sequence 269, App	173	15.2	76.0	545	13	US-10-027-632-225398	Sequence 225398, A
c 101	15.8	79.0	1314	18	US-10-439-247-21	Sequence 21, Appl	174	15.2	76.0	560	10	US-09-814-353-3618	Sequence 3618, App
c 102	15.8	79.0	1993	18	US-10-425-115-91587	Sequence 91587, A	175	15.2	76.0	560	10	US-09-814-353-9932	Sequence 9932, App
c 103	15.8	79.0	2329	15	US-10-205-823-253	Sequence 253, App	176	15.2	76.0	563	13	US-10-027-632-92596	Sequence 92596, A
c 104	15.8	79.0	2530	15	US-10-188-066-1	Sequence 1, Appl	177	15.2	76.0	563	13	US-10-027-632-92596	Sequence 92596, A
c 105	15.8	79.0	3535	9	US-09-220-091-16	Sequence 16, Appl	178	15.2	76.0	571	18	US-10-425-115-124292	Sequence 124292, A
c 106	15.8	79.0	5725	19	US-10-810-486-81	Sequence 81, Appl	179	15.2	76.0	576	18	US-10-357-930-38768	Sequence 38768, A
c 107	15.8	79.0	5725	19	US-10-810-486-95	Sequence 95, Appl	180	15.2	76.0	579	18	US-10-357-930-38768	Sequence 38768, A
c 108	15.8	79.0	21410	17	US-10-672-787-12	Sequence 12, Appl	181	15.2	76.0	582	18	US-10-437-963-950	Sequence 950, App
c 109	15.8	79.0	34562	17	US-10-417-476-28	Sequence 28, Appl	182	15.2	76.0	583	15	US-10-082-828A-125	Sequence 125, App
c 110	15.8	79.0	95882	13	US-10-087-192-2029	Sequence 2029, App	183	15.2	76.0	591	13	US-10-027-632-188885	Sequence 188885, A
c 111	15.8	79.0	96602	17	US-10-085-117-61	Sequence 61, Appl	184	15.2	76.0	591	13	US-10-027-632-188886	Sequence 188886, A
c 112	15.8	79.0	175338	13	US-10-087-192-1861	Sequence 1861, App	185	15.2	76.0	591	13	US-10-027-632-188887	Sequence 188887, A
c 113	15.8	79.0	183334	19	US-10-741-600-17646	Sequence 17646, A	186	15.2	76.0	591	17	US-10-027-632-188885	Sequence 188885, A
c 114	15.8	79.0	187844	18	US-10-719-993-6883	Sequence 6883, App	187	15.2	76.0	591	17	US-10-027-632-188886	Sequence 188886, A
c 115	15.8	79.0	196686	13	US-10-087-192-484	Sequence 484, App	188	15.2	76.0	591	17	US-10-027-632-188887	Sequence 188887, A
c 116	15.8	79.0	246940	18	US-10-322-696-58	Sequence 58, App	189	15.2	76.0	609	18	US-10-021-323-13	Sequence 13, Appl
c 117	15.8	79.0	300000	18	US-10-262-552-33	Sequence 33, Appl	190	15.2	76.0	610	18	US-10-021-323-225	Sequence 225, App
c 118	15.8	79.0	300000	18	US-10-703-210-33	Sequence 33, Appl	191	15.2	76.0	653	11	US-09-969-034-2828	Sequence 2828, App
c 119	15.4	77.0	25	19	US-10-719-900-66387	Sequence 66387, A	192	15.2	76.0	657	13	US-10-027-632-258716	Sequence 258716, A
c 120	15.4	77.0	25	19	US-10-719-900-625898	Sequence 625898, A	193	15.2	76.0	657	13	US-10-027-632-258716	Sequence 258716, A
c 121	15.4	77.0	269	17	US-10-242-535A-42311	Sequence 42311, A	194	15.2	76.0	788	13	US-10-027-632-120017	Sequence 120017, A
c 122	15.4	77.0	269	17	US-10-085-783A-42311	Sequence 42311, A	195	15.2	76.0	788	17	US-10-027-632-120017	Sequence 120017, A
c 123	15.4	77.0	459	13	US-10-027-632-263817	Sequence 263817, A	196	15.2	76.0	797	17	US-10-424-599-94202	Sequence 94202, A
c 124	15.4	77.0	459	13	US-10-027-632-263817	Sequence 263817, A	197	15.2	76.0	802	13	US-10-027-632-127268	Sequence 127268, A
c 125	15.4	77.0	520	18	US-10-357-930-10243	Sequence 10243, A	198	15.2	76.0	802	17	US-10-282-122A-37285	Sequence 37285, A
c 126	15.4	77.0	580	16	US-10-029-386-9047	Sequence 9047, App	199	15.2	76.0	927	17	US-10-282-122A-37285	Sequence 37285, A
c 127	15.4	77.0	913	18	US-10-437-963-89480	Sequence 89480, A	200	15.2	76.0	951	17	US-10-369-493-43537	Sequence 43537, A
c 128	15.4	77.0	1308	18	US-10-739-930-4377	Sequence 4377, App	201	15.2	76.0	1000	18	US-10-343-561-52	Sequence 52, Appl
c 129	15.4	77.0	2773	13	US-10-027-632-111835	Sequence 111835, A	202	15.2	76.0	1136	17	US-10-425-114-35068	Sequence 35068, A
c 130	15.4	77.0	2773	13	US-10-027-632-111835	Sequence 111835, A	203	15.2	76.0	1136	17	US-10-357-930-24172	Sequence 24172, A
c 131	15.4	77.0	6557	18	US-10-672-764A-1	Sequence 1, Appl	204	15.2	76.0	1198	17	US-10-425-114-10253	Sequence 10253, A
c 132	15.4	77.0	6559	13	US-10-087-192-236	Sequence 236, App	205	15.2	76.0	1201	17	US-10-424-599-25675	Sequence 25675, A
c 133	15.4	77.0	8603	18	US-10-672-764A-40	Sequence 40, Appl	206	15.2	76.0	1225	18	US-10-357-930-25675	Sequence 25675, A
c 134	15.4	77.0	10681	18	US-10-739-930-993	Sequence 993, App	207	15.2	76.0	1241	17	US-10-424-599-71056	Sequence 71056, A
c 135	15.4	77.0	33940	17	US-10-672-787-13	Sequence 13, Appl	208	15.2	76.0	1279	17	US-10-240-425-373	Sequence 373, App
c 136	15.4	77.0	67097	17	US-10-085-117-88	Sequence 88, Appl	209	15.2	76.0	1317	17	US-10-133-937-11	Sequence 11, Appl
c 137	15.4	77.0	89213	18	US-10-322-281-843	Sequence 843, App	210	15.2	76.0	1317	18	US-10-459-563-11	Sequence 11, Appl
c 138	15.4	77.0	91071	13	US-10-087-192-235	Sequence 235, App	211	15.2	76.0	1317	18	US-10-734-372A-44	Sequence 44, Appl
c 139	15.4	77.0	146778	19	US-10-741-600-17710	Sequence 17710, A	212	15.2	76.0	1341	17	US-10-282-122A-41755	Sequence 41755, A
c 140	15.4	77.0	150351	18	US-10-322-281-453	Sequence 453, App	213	15.2	76.0	1383	17	US-10-641-643-541	Sequence 541, App
c 141	15.4	77.0	653458	19	US-10-461-862-4	Sequence 4, Appl	214	15.2	76.0	1481	17	US-10-424-599-29900	Sequence 29900, A
c 142	15.2	76.0	201	18	US-10-741-601-11540	Sequence 11540, A	215	15.2	76.0	1647	17	US-10-424-599-135091	Sequence 135091, A
c 143	15.2	76.0	201	18	US-10-741-601-11541	Sequence 11541, A	216	15.2	76.0	1674	17	US-10-094-749-41	Sequence 41, Appl
c 144	15.2	76.0	201	18	US-10-741-601-14104	Sequence 14104, A	217	15.2	76.0	1674	9	US-10-887-553A-568	Sequence 568, App
c 145	15.2	76.0	201	18	US-10-741-601-23542	Sequence 23542, A	218	15.2	76.0	1694	9	US-09-925-299-144	Sequence 144, App
c 146	15.2	76.0	201	19	US-10-741-600-29164	Sequence 29164, A	219	15.2	76.0	1694	10	US-09-925-299-144	Sequence 144, App
c 147	15.2	76.0	201	19	US-10-741-600-29165	Sequence 29165, A	220	15.2	76.0	1770	17	US-10-335-977-1260	Sequence 1260, App
c 148	15.2	76.0	201	19	US-10-741-600-36128	Sequence 36128, A	221	15.2	76.0	1779	17	US-10-335-977-1261	Sequence 1261, App
c 149	15.2	76.0	201	19	US-10-741-600-64065	Sequence 64065, A	222	15.2	76.0	1908	18	US-10-425-115-142922	Sequence 142922, A
c 150	15.2	76.0	234	18	US-10-425-115-61133	Sequence 61133, A	223	15.2	76.0	2000	9	US-09-938-842A-3195	Sequence 3195, App
c 151	15.2	76.0	280	17	US-10-424-599-68482	Sequence 68482, A	224	15.2	76.0	2000	11	US-09-938-842A-3195	Sequence 3195, App
c 152	15.2	76.0	280	18	US-10-425-115-154963	Sequence 154963, A	225	15.2	76.0	2016	17	US-10-220-891-28	Sequence 28, Appl
c 153	15.2	76.0	329	17	US-10-424-599-4917	Sequence 4917, App	226	15.2	76.0	2184	18	US-10-437-963-72520	Sequence 72520, A
c 154	15.2	76.0	334	18	US-10-674-124A-4266	Sequence 4266, App	227	15.2	76.0	2431	18	US-10-437-963-16112	Sequence 16112, A
c 155	15.2	76.0	376	18	US-10-357-930-14293	Sequence 14293, A	228	15.2	76.0	2478	18	US-10-425-115-89528	Sequence 89528, A
c 156	15.2	76.0	390	17	US-10-242-535A-33544	Sequence 33544, A	229	15.2	76.0	2500	18	US-10-717-597-144	Sequence 144, App
c 157	15.2	76.0	390	17	US-10-085-783A-33544	Sequence 33544, A	230	15.2	76.0	2500	18	US-10-775-169-271	Sequence 271, App

231	15.2	76.0	2668	13	US-10-027-632-266084	Sequence 266084,	304	15.2	76.0	159980	18	US-10-422-522-32	Sequence 32, Appl
232	15.2	76.0	2668	13	US-10-027-632-266085	Sequence 266085,	c 305	15.2	76.0	161334	13	US-10-087-192-730	Sequence 730, App
233	15.2	76.0	2668	13	US-10-027-632-266086	Sequence 266086,	306	15.2	76.0	161652	13	US-10-081-327-40	Sequence 40, Appl
234	15.2	76.0	2668	13	US-10-027-632-266087	Sequence 266087,	307	15.2	76.0	223556	13	US-10-087-192-394	Sequence 394, App
235	15.2	76.0	2668	13	US-10-027-632-266088	Sequence 266088,	c 308	15.2	76.0	235033	15	US-10-301-844-1	Sequence 1, Appl
236	15.2	76.0	2668	13	US-10-027-632-266089	Sequence 266089,	c 309	15.2	76.0	237326	15	US-10-301-844-2	Sequence 2, Appl
237	15.2	76.0	2668	13	US-10-027-632-266090	Sequence 266090,	c 310	15.2	76.0	237961	17	US-10-433-580-2	Sequence 2, Appl
238	15.2	76.0	2668	13	US-10-027-632-266091	Sequence 266091,	c 311	15.2	76.0	247682	17	US-10-235-192A-28	Sequence 28, Appl
239	15.2	76.0	2668	17	US-10-027-632-266084	Sequence 266084,	c 312	15.2	76.0	255439	18	US-10-719-993-6799	Sequence 9, Appl
240	15.2	76.0	2668	17	US-10-027-632-266085	Sequence 266085,	c 313	15.2	76.0	256820	13	US-10-087-192-1666	Sequence 3, Appl
241	15.2	76.0	2668	17	US-10-027-632-266086	Sequence 266086,	c 314	15.2	76.0	285020	13	US-10-087-192-1666	Sequence 3, Appl
242	15.2	76.0	2668	17	US-10-027-632-266087	Sequence 266087,	c 315	15.2	76.0	314364	13	US-10-917-647-3	Sequence 3, Appl
243	15.2	76.0	2668	17	US-10-027-632-266088	Sequence 266088,	c 316	15.2	76.0	318760	18	US-10-719-993-6765	Sequence 6765, App
244	15.2	76.0	2668	17	US-10-027-632-266089	Sequence 266089,	c 317	15.2	76.0	379652	13	US-10-481-613-721	Sequence 71, Appl
245	15.2	76.0	2668	17	US-10-027-632-266090	Sequence 266090,	318	15.2	76.0	653122	13	US-10-087-192-226	Sequence 226, App
246	15.2	76.0	2668	17	US-10-027-632-266091	Sequence 266091,	319	15.2	76.0	784652	18	US-10-719-993-6822	Sequence 6822, App
247	15.2	76.0	2668	18	US-10-437-963-24113	Sequence 24113, A	c 320	15	75.0	271	17	US-10-424-599-73312	Sequence 73312, A
248	15.2	76.0	2668	17	US-10-259-194A-71	Sequence 71, Appl	c 321	15	75.0	581	18	US-10-357-330-55968	Sequence 55968, A
249	15.2	76.0	2668	18	US-10-437-963-24115	Sequence 24115, A	c 322	15	75.0	5317	17	US-10-369-493-27921	Sequence 27921, A
c 250	15.2	76.0	3001	17	US-10-147-603-130	Sequence 130, App	c 323	15	75.0	14036	10	US-09-764-872-818	Sequence 818, App
251	15.2	76.0	3378	17	US-10-276-774-884	Sequence 884, App	c 324	15	75.0	403035	18	US-10-741-601-5729	Sequence 5729, App
252	15.2	76.0	3387	13	US-10-027-632-113840	Sequence 113840,	c 325	15	74.0	25	15	US-10-098-263B-87805	Sequence 87805, A
253	15.2	76.0	3387	17	US-10-027-632-113840	Sequence 113840,	c 326	14.8	74.0	25	15	US-10-719-900-835712	Sequence 835712, A
254	15.2	76.0	5099	14	US-10-043-344-4	Sequence 4, Appl	c 327	14.8	74.0	25	19	US-09-908-975-30785	Sequence 30785, A
c 255	15.2	76.0	6295	18	US-10-437-963-16209	Sequence 16209, A	c 328	14.8	74.0	102	9	US-09-864-761-21435	Sequence 21435, A
c 256	15.2	76.0	6372	18	US-10-437-963-72169	Sequence 72169, A	c 329	14.8	74.0	132	9	US-09-864-761-17171	Sequence 17171, A
257	15.2	76.0	6447	15	US-10-311-455-1060	Sequence 1060, App	c 330	14.8	74.0	201	18	US-10-719-993-25484	Sequence 25484, A
258	15.2	76.0	6447	15	US-10-240-485-86	Sequence 86, Appl	c 331	14.8	74.0	201	18	US-10-719-993-25500	Sequence 25500, A
259	15.2	76.0	6447	18	US-10-433-793-4	Sequence 4, Appl	c 332	14.8	74.0	201	19	US-10-741-600-34871	Sequence 34871, A
c 260	15.2	76.0	6973	8	US-08-945-567D-1	Sequence 1, Appl	c 333	14.8	74.0	213	9	US-09-864-761-19723	Sequence 19723, A
c 261	15.2	76.0	6973	8	US-08-621-944A-1	Sequence 1, Appl	c 334	14.8	74.0	250	11	US-09-987-899-6996	Sequence 6996, App
c 262	15.2	76.0	6973	16	US-10-175-282-1	Sequence 1, Appl	c 335	14.8	74.0	251	11	US-09-987-899-6996	Sequence 6996, App
c 263	15.2	76.0	6973	16	US-10-175-275-1	Sequence 1, Appl	c 336	14.8	74.0	253	11	US-10-425-115-137694	Sequence 137694, A
c 264	15.2	76.0	10225	17	US-10-242-355-785	Sequence 785, App	c 337	14.8	74.0	256	18	US-09-987-899-6993	Sequence 6993, App
265	15.2	76.0	10225	17	US-10-242-355-786	Sequence 786, App	c 338	14.8	74.0	266	16	US-10-010-729-75	Sequence 75, Appl
266	15.2	76.0	10619	14	US-10-239-676-2	Sequence 2, Appl	c 339	14.8	74.0	270	11	US-09-987-899-6987	Sequence 6987, App
267	15.2	76.0	10619	15	US-10-311-455-44	Sequence 44, Appl	c 340	14.8	74.0	271	10	US-09-918-995-31277	Sequence 31277, A
268	15.2	76.0	10619	15	US-10-240-453-2	Sequence 2, Appl	c 341	14.8	74.0	273	11	US-09-987-899-6988	Sequence 6988, App
269	15.2	76.0	10619	17	US-10-240-589C-2	Sequence 2, Appl	c 342	14.8	74.0	281	11	US-09-987-899-7001	Sequence 7001, App
c 270	15.2	76.0	15225	18	US-09-827-688-10	Sequence 10, Appl	c 343	14.8	74.0	282	17	US-10-398-221-144	Sequence 144, App
c 271	15.2	76.0	15225	18	US-10-811-508-1	Sequence 1, Appl	c 344	14.8	74.0	282	17	US-10-398-221-2474	Sequence 2474, App
c 272	15.2	76.0	15225	18	US-10-811-508-13	Sequence 13, Appl	c 345	14.8	74.0	286	17	US-10-242-535A-29997	Sequence 29997, App
c 273	15.2	76.0	15225	18	US-10-722-000-2	Sequence 2, Appl	c 346	14.8	74.0	286	17	US-10-085-783A-29997	Sequence 29997, App
c 274	15.2	76.0	16006	18	US-10-741-601-57311	Sequence 57311, App	c 347	14.8	74.0	326	17	US-10-242-535A-53347	Sequence 53347, A
c 275	15.2	76.0	16006	19	US-10-741-600-17873	Sequence 17873, A	c 348	14.8	74.0	326	17	US-10-085-783A-53347	Sequence 53347, A
c 276	15.2	76.0	21608	19	US-10-741-600-17631	Sequence 17631, A	c 349	14.8	74.0	333	18	US-10-425-115-166322	Sequence 166322, A
c 277	15.2	76.0	22836	17	US-10-085-117-232	Sequence 232, App	c 350	14.8	74.0	348	13	US-10-027-632-80177	Sequence 80177, A
c 278	15.2	76.0	29604	17	US-10-374-077-207	Sequence 207, App	c 351	14.8	74.0	348	17	US-10-027-632-80177	Sequence 80177, A
c 279	15.2	76.0	33403	13	US-10-087-192-1465	Sequence 1465, App	c 352	14.8	74.0	363	18	US-10-674-124A-25833	Sequence 25833, A
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281	15.2	76.0	36651	16	US-10-425-962-3	Sequence 3, Appl	c 354	14.8	74.0	385	17	US-10-242-535A-46091	Sequence 46091, A
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c 283	15.2	76.0	36805	19	US-10-741-600-17657	Sequence 17657, A	c 356	14.8	74.0	387	17	US-10-369-493-44908	Sequence 44908, A
c 284	15.2	76.0	38605	13	US-10-087-192-304	Sequence 304, App	c 357	14.8	74.0	402	13	US-10-027-632-20440	Sequence 20440, A
c 285	15.2	76.0	49175	18	US-10-367-094-4	Sequence 4, Appl	c 358	14.8	74.0	402	17	US-10-027-632-20440	Sequence 20440, A
c 286	15.2	76.0	50557	18	US-10-322-281-601	Sequence 601, App	c 359	14.8	74.0	407	18	US-10-425-115-107827	Sequence 107827, A
c 287	15.2	76.0	54169	13	US-10-087-192-1486	Sequence 1486, App	c 360	14.8	74.0	413	11	US-09-987-899-7123	Sequence 7123, App
c 288	15.2	76.0	55005	18	US-10-719-993-6968	Sequence 6968, App	c 361	14.8	74.0	421	13	US-10-016-157A-1	Sequence 1, Appl
c 289	15.2	76.0	62555	19	US-10-741-600-17630	Sequence 17630, A	c 362	14.8	74.0	424	11	US-09-987-899-7124	Sequence 7124, App
c 290	15.2	76.0	62909	17	US-10-672-787-32	Sequence 32, Appl	c 363	14.8	74.0	446	11	US-09-987-899-7116	Sequence 7116, App
c 291	15.2	76.0	75729	18	US-10-741-601-5649	Sequence 5649, App	c 364	14.8	74.0	449	9	US-09-864-761-361	Sequence 361, App
c 292	15.2	76.0	75729	19	US-10-741-600-17658	Sequence 17658, A	c 365	14.8	74.0	450	13	US-10-027-632-77012	Sequence 77012, A
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c 294	15.2	76.0	77872	18	US-10-856-218A-44	Sequence 44, Appl	c 367	14.8	74.0	453	9	US-09-864-761-4695	Sequence 4695, App
c 295	15.2	76.0	80462	18	US-10-322-281-7	Sequence 7, Appl	c 368	14.8	74.0	456	13	US-10-027-632-313907	Sequence 313907, A
c 296	15.2	76.0	87467	18	US-10-741-601-5634	Sequence 5634, App	c 369	14.8	74.0	456	17	US-10-027-632-313907	Sequence 313907, A
c 297	15.2	76.0	87467	19	US-10-741-600-17624	Sequence 17624, A	c 370	14.8	74.0	458	11	US-09-987-899-7119	Sequence 7119, App
c 298	15.2	76.0	91749	13	US-10-087-192-550	Sequence 550, App	c 371	14.8	74.0	469	10	US-09-918-995-20023	Sequence 20023, A
c 299	15.2	76.0	92563	11	US-09-997-722-70	Sequence 70, Appl	c 372	14.8	74.0	469	14	US-10-178-213-433	Sequence 433, App
c 300	15.2	76.0	96594	11	US-09-997-722-154	Sequence 154, App	c 373	14.8	74.0	477	9	US-09-864-761-5954	Sequence 5954, App
c 301	15.2	76.0	127767	18	US-10-367-094-176	Sequence 176, App	c 374	14.8	74.0	488	9	US-09-864-761-5954	Sequence 5954, App
c 302	15.2	76.0	144068	19	US-10-461-862-130	Sequence 130, App	c 375	14.8	74.0	493	13	US-10-027-632-115088	Sequence 115088, A
c 303	15.2	76.0	145806	18	US-10-719-993-6943	Sequence 6943, App	c 376	14.8	74.0	493	13	US-10-027-632-115089	Sequence 115089, A

c 377	14.8	74.0	493	13	US-10-027-632-115090	Sequence 115090,	c 450	14.8	74.0	714	17	US-10-027-632-26663	Sequence 26663, A
c 378	14.8	74.0	493	17	US-10-027-632-115088	Sequence 115088,	451	14.8	74.0	738	13	US-10-027-632-24901	Sequence 24901, A
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c 380	14.8	74.0	493	17	US-10-027-632-115090	Sequence 115089,	c 453	14.8	74.0	764	13	US-10-027-632-153897	Sequence 153897,
c 381	14.8	74.0	512	17	US-10-424-599-111650	Sequence 111650,	c 454	14.8	74.0	764	13	US-10-027-632-153898	Sequence 153898,
c 382	14.8	74.0	533	13	US-10-027-632-246967	Sequence 246967,	c 455	14.8	74.0	764	17	US-10-027-632-153897	Sequence 153897,
c 383	14.8	74.0	533	17	US-10-027-632-246967	Sequence 246967,	c 456	14.8	74.0	764	17	US-10-027-632-153898	Sequence 153898,
c 384	14.8	74.0	536	13	US-10-027-632-6586	Sequence 6586, Ap	c 457	14.8	74.0	766	17	US-10-027-632-29880	Sequence 29880, A
c 385	14.8	74.0	536	13	US-10-027-632-6587	Sequence 6587, Ap	c 458	14.8	74.0	766	17	US-10-027-632-29880	Sequence 29880, A
c 386	14.8	74.0	536	17	US-10-027-632-6586	Sequence 6586, Ap	c 459	14.8	74.0	799	13	US-10-027-632-159825	Sequence 159825,
c 387	14.8	74.0	536	17	US-10-027-632-6587	Sequence 6587, Ap	c 460	14.8	74.0	799	13	US-10-027-632-159825	Sequence 159825,
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c 389	14.8	74.0	547	17	US-10-027-632-224321	Sequence 224321,	c 462	14.8	74.0	801	17	US-10-027-632-31372	Sequence 31372, A
c 390	14.8	74.0	572	18	US-10-425-115-45493	Sequence 45493, A	c 463	14.8	74.0	843	13	US-10-027-632-133255	Sequence 133255,
c 391	14.8	74.0	586	13	US-10-027-632-245779	Sequence 245779,	c 464	14.8	74.0	843	13	US-10-027-632-133255	Sequence 133255,
c 392	14.8	74.0	586	17	US-10-027-632-245779	Sequence 245779,	c 465	14.8	74.0	843	17	US-10-027-632-133256	Sequence 133256,
c 393	14.8	74.0	597	13	US-10-027-632-46387	Sequence 46387, A	c 466	14.8	74.0	843	17	US-10-027-632-133256	Sequence 133256,
c 394	14.8	74.0	597	13	US-10-027-632-198735	Sequence 198735,	c 467	14.8	74.0	846	9	US-09-974-300-1714	Sequence 1714, Ap
c 395	14.8	74.0	597	17	US-10-027-632-46387	Sequence 46387, A	c 468	14.8	74.0	861	17	US-10-425-114-12257	Sequence 12257, A
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c 397	14.8	74.0	598	13	US-10-027-632-218332	Sequence 218332,	c 470	14.8	74.0	1050	17	US-10-425-114-35788	Sequence 35788, A
c 398	14.8	74.0	598	13	US-10-027-632-218333	Sequence 218333,	c 471	14.8	74.0	1050	17	US-10-425-114-35788	Sequence 35788, A
c 399	14.8	74.0	598	13	US-10-027-632-218334	Sequence 218334,	c 472	14.8	74.0	1152	17	US-10-398-221-810	Sequence 810, App
c 400	14.8	74.0	598	13	US-10-027-632-218335	Sequence 218335,	c 473	14.8	74.0	1152	17	US-10-398-221-2798	Sequence 2798, Ap
c 401	14.8	74.0	598	17	US-10-027-632-218332	Sequence 218332,	c 474	14.8	74.0	1171	17	US-10-425-114-33587	Sequence 33587, A
c 402	14.8	74.0	598	17	US-10-027-632-218333	Sequence 218333,	c 475	14.8	74.0	1206	18	US-10-437-963-8800	Sequence 8800, Ap
c 403	14.8	74.0	598	17	US-10-027-632-218334	Sequence 218334,	c 476	14.8	74.0	1247	17	US-10-424-599-286	Sequence 286, App
c 404	14.8	74.0	598	17	US-10-027-632-218335	Sequence 218335,	c 477	14.8	74.0	1278	9	US-09-815-242-4328	Sequence 4328, Ap
c 405	14.8	74.0	602	13	US-10-027-632-278343	Sequence 278343,	c 478	14.8	74.0	1290	9	US-09-815-242-8404	Sequence 8404, Ap
c 406	14.8	74.0	602	13	US-10-027-632-278343	Sequence 278343,	c 479	14.8	74.0	1290	17	US-10-282-122A-7816	Sequence 7816, Ap
c 407	14.8	74.0	608	17	US-10-357-930-53054	Sequence 53054, A	c 480	14.8	74.0	1418	17	US-10-425-114-15566	Sequence 15566, A
c 408	14.8	74.0	613	18	US-10-357-930-55336	Sequence 55336, A	c 481	14.8	74.0	1422	19	US-10-470-048B-254	Sequence 254, App
c 409	14.8	74.0	621	13	US-10-027-632-59858	Sequence 59858, A	c 482	14.8	74.0	1422	17	US-10-424-599-29246	Sequence 29246, A
c 410	14.8	74.0	621	13	US-10-027-632-59858	Sequence 59858, A	c 483	14.8	74.0	1482	17	US-10-282-122A-34435	Sequence 34435, A
c 411	14.8	74.0	621	13	US-10-027-632-598443	Sequence 598443, A	c 484	14.8	74.0	1529	18	US-10-739-930-2827	Sequence 2827, Ap
c 412	14.8	74.0	621	17	US-10-027-632-298443	Sequence 298443, A	c 485	14.8	74.0	1718	17	US-10-424-599-30208	Sequence 30208, A
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c 414	14.8	74.0	626	13	US-10-027-632-32586	Sequence 32586, A	c 487	14.8	74.0	1906	18	US-10-425-115-151937	Sequence 151937,
c 415	14.8	74.0	630	17	US-10-027-632-32586	Sequence 32586, A	c 488	14.8	74.0	1951	17	US-10-425-115-151937	Sequence 151937,
c 416	14.8	74.0	630	13	US-10-027-632-241087	Sequence 241087,	c 489	14.8	74.0	2078	9	US-09-969-852-6	Sequence 6, Appl
c 417	14.8	74.0	630	17	US-10-027-632-241087	Sequence 241087,	c 490	14.8	74.0	2103	17	US-10-424-599-29243	Sequence 29243, A
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c 419	14.8	74.0	635	13	US-10-027-632-183061	Sequence 183061,	c 492	14.8	74.0	2429	13	US-10-027-632-103005	Sequence 103005,
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c 421	14.8	74.0	635	17	US-10-027-632-183061	Sequence 183061,	c 494	14.8	74.0	2450	17	US-10-108-260A-1475	Sequence 1475, Ap
c 422	14.8	74.0	640	13	US-10-027-632-283857	Sequence 283857,	c 495	14.8	74.0	2502	18	US-10-437-963-23388	Sequence 23388, A
c 423	14.8	74.0	640	17	US-10-027-632-283857	Sequence 283857,	c 496	14.8	74.0	2550	17	US-10-104-047-1032	Sequence 1032, Ap
c 424	14.8	74.0	645	13	US-10-027-632-184755	Sequence 184755,	c 497	14.8	74.0	2600	18	US-10-322-281-250	Sequence 250, App
c 425	14.8	74.0	645	17	US-10-027-632-184755	Sequence 184755,	c 498	14.8	74.0	2752	18	US-10-767-701-15425	Sequence 15425, A
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c 430	14.8	74.0	649	13	US-10-027-632-210648	Sequence 210648,							
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c 433	14.8	74.0	649	17	US-10-027-632-210646	Sequence 210646,							
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c 437	14.8	74.0	664	17	US-10-027-632-40625	Sequence 40625, A							
c 438	14.8	74.0	671	13	US-10-027-632-107135	Sequence 107135,							
c 439	14.8	74.0	671	17	US-10-027-632-107135	Sequence 107135,							
c 440	14.8	74.0	676	13	US-10-027-632-221627	Sequence 221627,							
c 441	14.8	74.0	676	13	US-10-027-632-221628	Sequence 221628,							
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c 446	14.8	74.0	676	17	US-10-027-632-221629	Sequence 221629,							
c 447	14.8	74.0	676	17	US-10-027-632-221630	Sequence 221630,							
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c 449	14.8	74.0	714	13	US-10-027-632-26663	Sequence 26663, A							

ALIGNMENTS

RESULT 1

US-09-909-317-2
; Sequence 2, Application US/09909317
; Publication No. US20040152075A1
; GENERAL INFORMATION:
; APPLICANT: Betty P. Tsao (Inventor)
; APPLICANT: Rita M. Cantor (Inventor)
; APPLICANT: Jerome I. Rotter (Inventor)
; TITLE OF INVENTION: Genetic Marker Test for Lupus
; FILE REFERENCE: 18810-82152
; CURRENT APPLICATION NUMBER: US/09/909,317
; CURRENT FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: 09/280,181
; PRIOR FILING DATE: 1999-03-29
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2

Query Match 92.0%; Score 18.4; DB 19; Length 945;

; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001496
; CURRENT APPLICATION NUMBER: US/10/719,993
; CURRENT FILING DATE: 2003-11-24
; NUMBER OF SEQ ID NOS: 55342
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16988
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-719-993-16988

Query Match 84.0%; Score 16.8; DB 18; Length 201;
Best Local Similarity 90.0%; Pred. No. 3.5e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 AAATTGGTGAATGACTGCA 20
|||
Db 149 AAATTGGTGAATGTTGCA 130
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RESULT 7

US-09-764-891-9678
; Sequence 9678, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:

; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9678
; LENGTH: 256
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-9678

Query Match 84.0%; Score 16.8; DB 10; Length 256;
Best Local Similarity 90.0%; Pred. No. 3.6e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 AAATTGGTGAATGACTGCA 20
|||
Db 86 AAATTGGTGAATGACTACA 105
|||

RESULT 8

US-08-781-986A-1722/c
; Sequence 1722, Application US/08781986A
; Publication No. US20030054436A1
; GENERAL INFORMATION:

; APPLICANT: Charles Kunsch
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5255
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/781,986A

; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Benson, Bob
; REGISTRATION NUMBER: 30,446
; REFERENCE/DOCKET NUMBER: PB248PP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 1722:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-08-781-986A-1722

Query Match 84.0%; Score 16.8; DB 8; Length 325;
Best Local Similarity 90.0%; Pred. No. 3.7e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 AAATTGGTGAATGACTGCA 20
|||
Db 57 AACGTGGTGAATGACTGCA 38
|||

RESULT 9

US-10-329-624-1722/c
; Sequence 1722, Application US/10329624
; Publication No. US20040043037A1
; GENERAL INFORMATION:

; APPLICANT: Charles Kunsch
; Gil H. Choi
; Patrick S. Dillon
; Craig A. Rosen
; Steven C. Barash
; Michael R. Fannon
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5256
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/329,624
; FILING DATE: 27-Dec-2002
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/956,171
; FILING DATE: October 20, 1997
; APPLICATION NUMBER: 60/009,861
; FILING DATE: January 5, 1996
; APPLICATION NUMBER: 08/781,986
; FILING DATE: January 3, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark J. Hyman
; REGISTRATION NUMBER: 46,789
; REFERENCE/DOCKET NUMBER: PB248PID1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (240) 314-1224
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 1722:
; SEQUENCE CHARACTERISTICS:

```
;
; LENGTH: 325 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 1722:
US-10-329-624-1722

Query Match      84.0%; Score 16.8; DB 17; Length 325;
Best Local Similarity 90.0%; Pred. No. 3.7e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGCTGTAATGACTGCA 20
Db 57 AACGTGCTGTAATGACTGCA 38

RESULT 10
US-10-027-632-218409/c
; Sequence 218409, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 218409
; LENGTH: 663
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-218409

Query Match      84.0%; Score 16.8; DB 13; Length 663;
Best Local Similarity 90.0%; Pred. No. 4.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGCTGTAATGACTGCA 20
Db 193 AAAATGCTGTAATGACTGTA 174

RESULT 11
US-10-027-632-218409/c
; Sequence 218409, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
```

```
;
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 218409
; LENGTH: 663
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-218409

Query Match      84.0%; Score 16.8; DB 17; Length 663;
Best Local Similarity 90.0%; Pred. No. 4.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGCTGTAATGACTGCA 20
Db 193 AAAATGCTGTAATGACTGTA 174

RESULT 12
US-10-425-114-6765
; Sequence 6765, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 6765
; LENGTH: 1386
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: 700605169_FLI
US-10-425-114-6765

Query Match      84.0%; Score 16.8; DB 17; Length 1386;
Best Local Similarity 90.0%; Pred. No. 4.7e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGCTGTAATGACTGCA 20
Db 1254 AAAATGCTGTTATGATTGCA 1273

RESULT 13
US-10-424-599-53048
; Sequence 53048, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
```

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; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 53048
; LENGTH: 2591
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_18914C.1
US-10-424-599-53048

Query Match      84.0%; Score 16.8; DB 17; Length 2591;
Best Local Similarity 90.0%; Pred. No. 5.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTGCA 20
Db 2288 AAATTGCGTTATGATGCA 2307

RESULT 14
US-08-781-986A-38
; Sequence 38, Application US/08/781986A
; Publication No. US20030054436A1
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5255
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/781,986A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Benson, Bob
; REGISTRATION NUMBER: 30,446
; REFERENCE/DOCKET NUMBER: PB248PP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 23439 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-08-781-986A-38

Query Match      84.0%; Score 16.8; DB 8; Length 23439;
Best Local Similarity 90.0%; Pred. No. 7.3e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTGCA 20
Db 22929 AACGTGCGTAATGACTGCA 22948

RESULT 15
US-10-329-624-38
; Sequence 38, Application US/10329624
; Publication No. US20040043037A1
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; APPLICANT: Gil H. Choi
; Patrick S. Dillon
; Craig A. Rosen
; Steven C. Barash
; Michael R. Fannon
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5256
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/329,624
; FILING DATE: 27-Dec-2002
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/956,171
; FILING DATE: October 20, 1997
; APPLICATION NUMBER: 60/009,861
; FILING DATE: January 5, 1996
; APPLICATION NUMBER: 08/781,986
; FILING DATE: January 3, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark J. Hyman
; REGISTRATION NUMBER: 46,789
; REFERENCE/DOCKET NUMBER: PB248P1D1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (240) 314-1224
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 23439 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 38:
US-10-329-624-38

Query Match      84.0%; Score 16.8; DB 17; Length 23439;
Best Local Similarity 90.0%; Pred. No. 7.3e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTGCA 20
Db 22929 AACGTGCGTAATGACTGCA 22948

RESULT 16
US-10-210-723-13/c
; Sequence 13, Application US/10210723
; Publication No. US20040023382A1
; GENERAL INFORMATION:
; APPLICANT: Nicholas M. Dean
; APPLICANT: C. Frank Bennett
; APPLICANT: Kenneth W. Dobbie
; TITLE OF INVENTION: ANTISENSE MODULATION OF PPP3CB EXPRESSION
; FILE REFERENCE: PUS-0028
; CURRENT APPLICATION NUMBER: US/10/210,723
; CURRENT FILING DATE: 2002-07-31
; NUMBER OF SEQ ID NOS: 141
; SEQ ID NO 13
; LENGTH: 70000
```

```
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 63612-63711
; OTHER INFORMATION: n = A,T,C or G
US-10-52-482-178

Query Match      84.0%; Score 16.8; DB 17; Length 70000;
Best Local Similarity 90.0%; Pred. No. 8.7e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTGCA 20
Db 39997 AAATGTGTAATGACTGCA 39978

RESULT 17
US-10-105-948-4
; Sequence 4, Application US/10105948
; Publication No. US20030064383A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS IN CANCER
; FILE REFERENCE: 529452500127
; CURRENT APPLICATION NUMBER: US/10/105,948
; CURRENT FILING DATE: 2002-07-09
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: US 10/052,482
; PRIOR FILING DATE: 2001-11-08
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 96599
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-10-105-948-4

Query Match      84.0%; Score 16.8; DB 14; Length 96599;
Best Local Similarity 90.0%; Pred. No. 9.1e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTGCA 20
Db 70791 AAATGTGTAATGACTGCA 70810

RESULT 18
US-10-052-482-178
; Sequence 178, Application US/10052482
; Publication No. US20040072264A1
; GENERAL INFORMATION:
; APPLICANT: Engelhard, Eric
; APPLICANT: Morris, David
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: A-71087/RMS/DCF
; CURRENT APPLICATION NUMBER: US/10/052,482
; CURRENT FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 241
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 178
; LENGTH: 96599
; TYPE: DNA
; ORGANISM: Homo sapiens
```

```
US-10-052-482-178

Query Match      84.0%; Score 16.8; DB 17; Length 96599;
Best Local Similarity 90.0%; Pred. No. 9.1e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTGCA 20
Db 70791 AAATGTGTAATGACTGCA 70810

RESULT 19
US-10-322-696-34/c
; Sequence 34, Application US/10322696
; Publication No. US20040166490A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Malandro, Marc
; TITLE OF INVENTION: NOVEL THERAPEUTIC TARGETS IN CANCER
; FILE REFERENCE: 529452001200
; CURRENT APPLICATION NUMBER: US/10/322,696
; CURRENT FILING DATE: 2003-10-17
; NUMBER OF SEQ ID NOS: 186
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 34
; LENGTH: 357652
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(357652)
; OTHER INFORMATION: n = A,T,C or G
US-10-322-696-34

Query Match      84.0%; Score 16.8; DB 18; Length 357652;
Best Local Similarity 90.0%; Pred. No. 1.1e+03;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTGCA 20
Db 121917 AAATGTGTAATGACTGCA 121898

RESULT 20
US-10-719-993-6805/c
; Sequence 6805, Application US/10719993
; Publication No. US20040265849A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001496
; CURRENT APPLICATION NUMBER: US/10/719,993
; CURRENT FILING DATE: 2003-11-24
; NUMBER OF SEQ ID NOS: 55342
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6805
; LENGTH: 366803
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(366803)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-;
US-10-719-993-6805

Query Match      84.0%; Score 16.8; DB 18; Length 366803;
Best Local Similarity 90.0%; Pred. No. 1.1e+03;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTGCA 20
Db 30295 AAATGTGTAATGACTGCA 30276
```

```
RESULT 21
US-10-412-277-3/c
; Sequence 3, Application US/10412277
; Publication No. US20030175791A1
; GENERAL INFORMATION:
; APPLICANT: GUEGLER, Karl et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEROEF
; FILE REFERENCE: CL001067DIV
; CURRENT APPLICATION NUMBER: US/10/412,277
; CURRENT FILING DATE: 2003-04-14
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 786431
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(786431)
; OTHER INFORMATION: n = A,T,C or G
US-10-412-277-3

Query Match      84.0%; Score 16.8; DB 16; Length 786431;
Best Local Similarity 90.0%; Pred. No. 1.2e+03;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGTCGTAATGACTGCA 20
||||| ||||||| |||
DB 282900 AAATTGTCGTAATGACTGCA 282881

RESULT 22
US-09-604-287A-50/c
; Sequence 50, Application US/09604287A
; Patent No. US20020064872A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.470C7
; CURRENT FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 489
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 50
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-604-287A-50

Query Match      82.0%; Score 16.4; DB 9; Length 271;
Best Local Similarity 94.4%; Pred. No. 5.7e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGTCGTAATGACTG 18
||||| ||||||| |||
DB 232 AAATTGTCGTAAGACTG 215

RESULT 23
US-09-834-759-50/c
; Sequence 50, Application US/09834759
; Publication No. US20020085998A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; FILE REFERENCE: 210121.470C5
```

```
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.470C9
; CURRENT APPLICATION NUMBER: US/09/834,759
; CURRENT FILING DATE: 2001-04-13
; NUMBER OF SEQ ID NOS: 547
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 50
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-834-759-50

Query Match      82.0%; Score 16.4; DB 9; Length 271;
Best Local Similarity 94.4%; Pred. No. 5.7e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGTCGTAATGACTG 18
||||| ||||||| |||
DB 232 AAATTGTCGTAAGACTG 215

RESULT 24
US-09-339-338-50/c
; Sequence 50, Application US/09339338A
; Patent No. US20020102602A1
; GENERAL INFORMATION:
; APPLICANT: Yuqiu, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C2
; CURRENT APPLICATION NUMBER: US/09/339,338A
; CURRENT FILING DATE: 1999-06-23
; NUMBER OF SEQ ID NOS: 315
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 50
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-339-338-50

Query Match      82.0%; Score 16.4; DB 9; Length 271;
Best Local Similarity 94.4%; Pred. No. 5.7e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGTCGTAATGACTG 18
||||| ||||||| |||
DB 232 AAATTGTCGTAAGACTG 215

RESULT 25
US-09-551-621-50/c
; Sequence 50, Application US/09551621
; Publication No. US20030104366A1
; GENERAL INFORMATION:
; APPLICANT: Yuqiu, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; FILE REFERENCE: 210121.470C5
```



```
; CURRENT APPLICATION NUMBER: US/09/551,621
; CURRENT FILING DATE: 2000-04-17
; NUMBER OF SEQ ID NOS: 479
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 50
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-551-621-50

Query Match      82.0%; Score 16.4; DB 10; Length 271;
Best Local Similarity 94.4%; Pred. No. 5.7e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTG 18
   |||||
Db 232 AAATTGGTGAAGACTG 215

RESULT 26
US-10-007-805-50/c
; Sequence 50, Application US/10007805
; Publication No. US20020150581A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Durham, Margarita
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.470C10
; CURRENT APPLICATION NUMBER: US/10/007,805
; CURRENT FILING DATE: 2001-12-07
; NUMBER OF SEQ ID NOS: 593
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 50
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-007-805-50

Query Match      82.0%; Score 16.4; DB 13; Length 271;
Best Local Similarity 94.4%; Pred. No. 5.7e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTG 18
   |||||
Db 232 AAATTGGTGAAGACTG 215

RESULT 27
US-10-076-622-50/c
; Sequence 50, Application US/10076622
; Publication No. US20030023036A1
; GENERAL INFORMATION:
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Sleath, Paul R.
; APPLICANT: Persing, David H.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.470C11
; CURRENT APPLICATION NUMBER: US/10/076,622
; CURRENT FILING DATE: 2002-02-13
; NUMBER OF SEQ ID NOS: 627
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 50

; CURRENT APPLICATION NUMBER: US/09/551,621
; CURRENT FILING DATE: 2000-04-17
; NUMBER OF SEQ ID NOS: 479
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 50
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-076-622-50

Query Match      82.0%; Score 16.4; DB 14; Length 271;
Best Local Similarity 94.4%; Pred. No. 5.7e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTG 18
   |||||
Db 232 AAATTGGTGAAGACTG 215

RESULT 28
US-10-124-805-50/c
; Sequence 50, Application US/10124805
; Publication No. US20030166022A1
; GENERAL INFORMATION:
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Sleath, Paul R.
; APPLICANT: Persing, David H.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.470C12
; CURRENT APPLICATION NUMBER: US/10/124,805
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 627
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 50
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-124-805-50

Query Match      82.0%; Score 16.4; DB 16; Length 271;
Best Local Similarity 94.4%; Pred. No. 5.7e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTG 18
   |||||
Db 232 AAATTGGTGAAGACTG 215

RESULT 29
US-10-441-893-50/c
; Sequence 50, Application US/10441893
; Publication No. US20030229020A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; FILE REFERENCE: 210121.470D1
; CURRENT APPLICATION NUMBER: US/10/441,893
; CURRENT FILING DATE: 2003-05-16
; NUMBER OF SEQ ID NOS: 181
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 50
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-441-893-50

Query Match      82.0%; Score 16.4; DB 17; Length 271;
Best Local Similarity 94.4%; Pred. No. 5.7e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTG 18
   |||||
Db 232 AAATTGGTGAAGACTG 215
```

RESULT 30
US-09-880-107-635/c
; Sequence 635, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-WO
; CURRENT APPLICATION NUMBER: US/09/880,107
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 635
; LENGTH: 453
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 AA279943
US-09-880-107-635

Query Match 82.0%; Score 16.4; DB 9; Length 453;
Best Local Similarity 94.4%; Pred. No. 6.2e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTG 18
|||||
DB 144 AAATTGGTGAAGACTG 127

RESULT 31
US-09-967-768A-53/c
; Sequence 53, Application US/09967768A
; Patent No. US20020150877A1
; GENERAL INFORMATION:
; APPLICANT: Augustus, Meena
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
; TITLE OF INVENTION: Sets
; FILE REFERENCE: 689290-72
; CURRENT APPLICATION NUMBER: US/09/967,768A
; CURRENT FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US/60/236,109
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US/60/236,034
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US/60/236,111
; PRIOR FILING DATE: 2000-09-28
; NUMBER OF SEQ ID NOS: 325
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 53
; LENGTH: 453
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-967-768A-53

Query Match 82.0%; Score 16.4; DB 9; Length 453;
Best Local Similarity 94.4%; Pred. No. 6.2e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTG 18
|||||
DB 144 AAATTGGTGAAGACTG 127

RESULT 32

US-09-954-531-500/c
; Sequence 500, Application US/09954531
; Patent No. US20020165180A1
; GENERAL INFORMATION:
; APPLICANT: Weaver, Zoe
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc
; TITLE OF INVENTION: Gene Sets
; FILE REFERENCE: 689290-77
; CURRENT APPLICATION NUMBER: US/09/954,531
; CURRENT FILING DATE: 2002-05-02
; PRIOR APPLICATION NUMBER: US/60/233,133
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,009
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,034
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,509
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: US/60/234,567
; PRIOR FILING DATE: 2000-09-22
; NUMBER OF SEQ ID NOS: 1392
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 500
; LENGTH: 453
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-954-531-500

Query Match 82.0%; Score 16.4; DB 9; Length 453;
Best Local Similarity 94.4%; Pred. No. 6.2e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTG 18
|||||
DB 144 AAATTGGTGAAGACTG 127

RESULT 33
US-10-843-641A-1567/c
; Sequence 1567, Application US/10843641A
; Publication No. US20050064454A1
; GENERAL INFORMATION:
; APPLICANT: Avalon Pharmaceuticals, Inc.
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using
; TITLE OF INVENTION: Signature Gene Sets
; FILE REFERENCE: 689290-189
; CURRENT APPLICATION NUMBER: US/10/843,641A
; CURRENT FILING DATE: 2004-05-12
; PRIOR APPLICATION NUMBER: US/09/873,367
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US/09/954,531
; PRIOR FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/09/954,456
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/962,436
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/962,832
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/964,824
; PRIOR FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: US/09/967,768
; PRIOR FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US/09/968,007
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,347
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,708
; PRIOR FILING DATE: 2001-10-03
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 8447
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1567
; LENGTH: 453

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; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-843-641A-1567

Query Match      82.0%; Score 16.4; DB 19; Length 453;
Best Local Similarity 94.4%; Pred. No. 6.2e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGTCGTAATGACTG 18
    |||||
DB 144 AAATTGTCGTAAGACTG 127

RESULT 34
US-10-843-641A-6198/c
; Sequence 6198, Application US/10843641A
; Publication No. US20050064454A1
; GENERAL INFORMATION:
; APPLICANT: Avalon Pharmaceuticals, Inc.
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using
; TITLE OF INVENTION: Signature Gene Sets
; FILE REFERENCE: 689290-189
; CURRENT APPLICATION NUMBER: US/10/843,641A
; CURRENT FILING DATE: 2004-05-12
; PRIOR APPLICATION NUMBER: US/09/873,367
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US/09/954,531
; PRIOR FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/09/954,456
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/962,436
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/962,832
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/964,824
; PRIOR FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: US/09/967,768
; PRIOR FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US/09/968,007
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,347
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,708
; PRIOR FILING DATE: 2001-10-03
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 8447
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6198
; LENGTH: 453
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-843-641A-6198

Query Match      82.0%; Score 16.4; DB 19; Length 453;
Best Local Similarity 94.4%; Pred. No. 6.2e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGTCGTAATGACTG 18
    |||||
DB 144 AAATTGTCGTAAGACTG 127

RESULT 35
US-10-637-855-119/c
; Sequence 119, Application US/10637855
; Publication No. US20040110194A1
; GENERAL INFORMATION:
; APPLICANT: Sornasse, Thierry
; APPLICANT: Cocks, Ben
; APPLICANT: Sanjawala, Bharati
; TITLE OF INVENTION: GENES REGULATED BY HUMAN CYTOKINES
; FILE REFERENCE: PA-0020 US
; CURRENT APPLICATION NUMBER: US/10/637,855

; CURRENT FILING DATE: 2003-08-07
; NUMBER OF SEQ ID NOS: 516
; SOFTWARE: PERL Program
; SEQ ID NO 119
; LENGTH: 552
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No: 2790863T6
US-10-637-855-119

Query Match      82.0%; Score 16.4; DB 18; Length 552;
Best Local Similarity 94.4%; Pred. No. 6.4e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGTCGTAATGACTG 18
    |||||
DB 395 AAATTGTCGTAAGACTG 378

RESULT 36
US-09-998-598-1186
; Sequence 1186, Application US/09998598
; Patent No. US20020150922A1
; GENERAL INFORMATION:
; APPLICANT: Stolk, John A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Chenault, Ruth A.
; APPLICANT: Meagher, Madelein Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121.561
; CURRENT APPLICATION NUMBER: US/09/998,598
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 2606
; SOFTWARE: Corixa Invention Disclosure Database
; SEQ ID NO 1186
; LENGTH: 580
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 559
; OTHER INFORMATION: n = A,T,C or G
US-09-998-598-1186

Query Match      82.0%; Score 16.4; DB 9; Length 580;
Best Local Similarity 94.4%; Pred. No. 6.4e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGTCGTAATGACTG 18
    |||||
DB 201 AAATTGTCGTAAGACTG 218

RESULT 37
US-09-736-457-1279
; Sequence 1279, Application US/09736457
; Patent No. US20020168637A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; APPLICANT: Wang, Aijun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
```

; FILE REFERENCE: 210121.478C15
; CURRENT APPLICATION NUMBER: US/09/736,457
; CURRENT FILING DATE: 2006-12-13
; NUMBER OF SEQ ID NOS: 1864
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1279
; LENGTH: 580
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-736-457-1279

Query Match 82.0%; Score 16.4; DB 9; Length 580;
Best Local Similarity 94.4%; Pred. No. 6.4e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AAATTGGTAAATGACTG 18
|||||
Db 201 AAATTGGTAAAGACTG 218

RESULT 38

US-09-902-941-1279
; Sequence 1279, Application US/09902941
; Patent No. US20020172952A1
; GENERAL INFORMATION:
; APPLICANT: Henderson, Robert A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Johnson, Jeffrey C.
; APPLICANT: Retter, Marc W.
; APPLICANT: Marnerakis, Margarita
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: McNabb, Andria
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C17
; CURRENT APPLICATION NUMBER: US/09/902,941
; CURRENT FILING DATE: 2001-07-10
; NUMBER OF SEQ ID NOS: 2002
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1279
; LENGTH: 580
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-902-941-1279

Query Match 82.0%; Score 16.4; DB 9; Length 580;
Best Local Similarity 94.4%; Pred. No. 6.4e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AAATTGGTAAATGACTG 18
|||||
Db 201 AAATTGGTAAAGACTG 218

RESULT 39

US-09-849-626-1279
; Sequence 1279, Application US/09849626
; Publication No. US20020197669A1
; GENERAL INFORMATION:
; APPLICANT: Bangur, Chaitanya
; APPLICANT: Fanger, Gary
; APPLICANT: Wang, Aijun
; APPLICANT: Wang, Tongtong
; APPLICANT: Switzer, Anne
; APPLICANT: McNeill, Patricia
; APPLICANT: Clapper, Jonathan
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.478C16

; CURRENT APPLICATION NUMBER: US/09/849,626
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 1926
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1279
; LENGTH: 580
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-849-626-1279

Query Match 82.0%; Score 16.4; DB 9; Length 580;
Best Local Similarity 94.4%; Pred. No. 6.4e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AAATTGGTAAATGACTG 18
|||||
Db 201 AAATTGGTAAAGACTG 218

RESULT 40

US-10-017-754-1279
; Sequence 1279, Application US/10017754
; Publication No. US20030054363A1
; GENERAL INFORMATION:
; APPLICANT: Henderson, Robert A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Johnson, Jeffrey C.
; APPLICANT: Retter, Marc W.
; APPLICANT: Marnerakis, Margarita
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: McNabb, Andria
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.478C18
; CURRENT APPLICATION NUMBER: US/10/017,754
; CURRENT FILING DATE: 2001-10-29
; NUMBER OF SEQ ID NOS: 2004
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1279
; LENGTH: 580
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-017-754-1279

Query Match 82.0%; Score 16.4; DB 14; Length 580;
Best Local Similarity 94.4%; Pred. No. 6.4e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AAATTGGTAAATGACTG 18
|||||
Db 201 AAATTGGTAAAGACTG 218

RESULT 41

US-10-113-872-1279
; Sequence 1279, Application US/10113872
; Publication No. US20030170255A1
; GENERAL INFORMATION:
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Sleath, Paul R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.478C19
; CURRENT APPLICATION NUMBER: US/10/113,872

; CURRENT FILING DATE: 2002-03-28
; NUMBER OF SEQ ID NOS: 2011
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1279
; LENGTH: 580
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-113-872-1279

Query Match 82.0%; Score 16.4; DB 16; Length 580;
Best Local Similarity 94.4%; Pred. No. 6.4e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTG 18
|||||
Db 201 AAATTGCGTAAGACTG 218

RESULT 42

US-10-283-017-1279
; Sequence 1279, Application US/10283017
; Publication No. US20030211510A1
; GENERAL INFORMATION:

; APPLICANT: Henderson, Robert A.
; APPLICANT: Wang, Tonglong
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Kalos, Michael D.
; APPLICANT: Sleath, Paul R.
; APPLICANT: Johnson, Jeffrey C.
; APPLICANT: Retter, Marc W.
; APPLICANT: Durham, Margarita
; APPLICANT: Carter, Darick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: McNabb, Andrea
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C20
; CURRENT APPLICATION NUMBER: US/10/283,017
; CURRENT FILING DATE: 2002-10-28
; NUMBER OF SEQ ID NOS: 2157
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1279
; LENGTH: 580
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-283-017-1279

Query Match 82.0%; Score 16.4; DB 17; Length 580;
Best Local Similarity 94.4%; Pred. No. 6.4e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTG 18
|||||
Db 201 AAATTGCGTAAGACTG 218

RESULT 43

US-10-174-695-2
; Sequence 2, Application US/10174695
; Publication No. US20030232022A1
; GENERAL INFORMATION:

; APPLICANT: Reynolds, Eric Charles
; APPLICANT: Slakeski, Nada
; APPLICANT: Chen, Chao Guang
; APPLICANT: Barr, Ian George
; TITLE OF INVENTION: P. GINGIVALIS ANTIGENIC COMPOSITION
; FILE REFERENCE: 529282000700
; CURRENT APPLICATION NUMBER: US/10/174,695
; CURRENT FILING DATE: 2002-06-18
; PRIOR APPLICATION NUMBER: PCT/AU00/01588
; PRIOR FILING DATE: 2000-12-21

; PRIOR APPLICATION NUMBER: AU PQ 4859
; PRIOR FILING DATE: 1999-12-24
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 588
; TYPE: DNA
; ORGANISM: Porphyromonas gingivalis
US-10-174-695-2

Query Match 82.0%; Score 16.4; DB 17; Length 588;
Best Local Similarity 94.4%; Pred. No. 6.4e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 ATTGTGGTAATGACTGCA 20
|||||
Db 565 ATTGTAGTAATGACTGCA 582

RESULT 44

US-10-027-632-237280/c
; Sequence 237280, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:

; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 237280
; LENGTH: 605
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(605)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-237280

Query Match 82.0%; Score 16.4; DB 13; Length 605;
Best Local Similarity 94.4%; Pred. No. 6.5e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 ATTGTGGTAATGACTGCA 20
|||||
Db 379 ACTGTGGTAATGACTGCA 362

RESULT 45

US-10-027-632-237280/c
; Sequence 237280, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:

; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 237280
; LENGTH: 605
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(605)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-237280

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; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 237280
; LENGTH: 605
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(605)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-237280

Query Match      82.0%; Score 16.4; DB 17; Length 605;
Best Local Similarity 94.4%; Pred. No. 6.5e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      3 ATTGTGGTAATGACTGCA 20
Db      379 ACTGTGGTAATGACTGCA 362

RESULT 46
US-10-194-163-741/c
; Sequence 741, Application US/10194163
; Publication No. US20020172976A1
; GENERAL INFORMATION:
; APPLICANT: Ross, Bruce Carter
; TITLE OF INVENTION: PORPHYROMONAS GINGIVALIS POLYNUCLEOTIDES
; NUMBER OF SEQUENCES: 1120
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FORSTER
; STREET: 755 PAGE MILL ROAD
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: FastSeq for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/194,163
; FILING DATE: 04-Nov-2002
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Basu, Shantanu
; REGISTRATION NUMBER: 43,318
; REFERENCE/DOCKET NUMBER: 529282000101
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-813-5995
; TELEFAX: 650-494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 741
; SEQUENCE CHARACTERISTICS:
;
; LENGTH: 639 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: UNKNOWN
; ORIGINAL SOURCE:
; ORGANISM: PORPHYROMONAS GINGIVALIS
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1...639
; SEQUENCE DESCRIPTION: SEQ ID NO: 741
US-10-194-163-741

Query Match      82.0%; Score 16.4; DB 13; Length 639;
Best Local Similarity 94.4%; Pred. No. 6.5e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      3 ATTGTGGTAATGACTGCA 20
Db      561 ATTGTAGTAATGACTGCA 544

RESULT 47
US-09-777-564-1100/c
; Sequence 1100, Application US/09777564
; Patent No. US20020022591A1
; GENERAL INFORMATION:
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.493
; CURRENT APPLICATION NUMBER: US/09/777,564
; CURRENT FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 1730
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1100
; LENGTH: 697
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(697)
; OTHER INFORMATION: n = A,T,C or G
US-09-777-564-1100

Query Match      82.0%; Score 16.4; DB 9; Length 697;
Best Local Similarity 94.4%; Pred. No. 6.6e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1 AAATTGTGGTAATGACTG 18
Db      380 AAATTGTGGTAAGACTG 363

RESULT 48
US-10-015-219-1100/c
; Sequence 1100, Application US/10015219
; Publication No. US20030008299A1
; GENERAL INFORMATION:
; APPLICANT: Algate, Paul A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.493C1
; CURRENT APPLICATION NUMBER: US/10/015,219
; CURRENT FILING DATE: 2002-03-02
; NUMBER OF SEQ ID NOS: 1739
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1100
; LENGTH: 697
; TYPE: DNA
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; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 542, 568, 574, 595, 620, 636, 652, 676
; OTHER INFORMATION: n = A,T,C or G
US-10-015-219-1100

Query Match      82.0%; Score 16.4; DB 14; Length 697;
Best Local Similarity 94.4%; Pred. No. 6.6e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTG 18
Db 380 AAATTGCGTAAAGACTG 363

RESULT 49
US-10-212-677-230
; Sequence 230, Application US/10212677
; Publication No. US20030129192A1
; GENERAL INFORMATION:
; APPLICANT: Chenault, Ruth A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Panger, Gary R.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.484C7
; CURRENT APPLICATION NUMBER: US/10/212,677
; CURRENT FILING DATE: 2002-08-02
; NUMBER OF SEQ ID NOS: 288
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 230
; LENGTH: 744
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 603,618,636,723,724
; OTHER INFORMATION: n = A,T,C or G
US-10-212-677-230

Query Match      82.0%; Score 16.4; DB 15; Length 744;
Best Local Similarity 94.4%; Pred. No. 6.7e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTG 18
Db 493 AAATTGCGTAAAGACTG 510

RESULT 50
US-10-361-811-230
; Sequence 230, Application US/10361811
; Publication No. US20030206918A1
; GENERAL INFORMATION:
; APPLICANT: Panger, Gary R.
; APPLICANT: Fling, Steven P.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.484C8
; CURRENT APPLICATION NUMBER: US/10/361,811
; CURRENT FILING DATE: 2003-02-05
; NUMBER OF SEQ ID NOS: 293
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 230
; LENGTH: 744
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 603,618,636,723,724
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; OTHER INFORMATION: n = A,T,C or G
US-10-361-811-230

Query Match      82.0%; Score 16.4; DB 17; Length 744;
Best Local Similarity 94.4%; Pred. No. 6.7e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTG 18
Db 493 AAATTGCGTAAAGACTG 510

Search completed: June 2, 2005, 11:57:52
Job time : 214.586 secs
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; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12360
; LENGTH: 105679
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-12360

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Query Match          10.9%; Score 228; DB 4; Length 105679;
Best Local Similarity 60.6%; Pred. No. 7.2e-44;
Matches 452; Conservative 0; Mismatches 275; Indels 19; Gaps 4;

QY 103 TTATTCTGTTTACCTTCAAAATATCTTTTTTTTTTTTTTTTGGAGACAGGTCACACTGTC 162
DB 46175 TTGTAATTAATACTCTTTAATGTGGTTTTGTTGTTTGGAGACAGTCTGTTCTGTC 46234

QY 163 ACCCAGGTAGAGTCCAGTGGCACTATCATGGCTCACACAGCCTCAACCTTCAGGGCTC 222
DB 46235 ACCCAGGTGGAGTGCAGTGGCTCCATCTCAGCTCACTACAACTCCGCTCCTGGGTTCC 46294

QY 223 AGGTGATCTCCACTTCAGCCTCCGAGTAGATGGAGTACAGGCACTGCGCACCCACC 282
DB 46295 AAGTGATTTCTGCTGCTCAGCCTCCGAGTAGTGGGATTAAGGCACTGCGCACCCACC 46354

QY 283 CCAGCTAAATTTTT-----GTAGACACAGGTTTTGCCATGTTGCCAGCTGGTCT 333
DB 46355 CAGGCTAAATTTTGTATTTTGGTAGAGATGGGTTTTCCACATGTGGCAGACTGGTCT 46414

QY 334 TGAATCTCTGGGCTCAAGGGATCCGGCCACCTCAGCCTCCCAAGAGTGTAGGATATAGG 393
DB 46415 CGATCTCTGACCTCAAGTGATCCGCCACCTCGGCTCCTAAATGTGGGATATAGG 46474

QY 394 CATGAGCACTGTGCGCCAGCCTACCTTCAAAGTATCTAACTGTTTAACTTTTAGGAT 453
DB 46475 CATGAACCACTGATGCCAGCCTTGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 46534

QY 454 TCGGCTATGTCTCAACACCTTCTTGCTTACTCAACATCTTGTCTTAAAGCCACTAGC 513
DB 46535 TTTTAAACAATAAATAACAATATCTGTGATGTCATCTTTTACCTCTAACACCATCTTCC 46594

QY 514 TTCTTCTCTATGGTTAAACATTTTAA-----TGAGTTTTTATTCATCTGCTTATTTTCTT 568
DB 46595 TTGTTAAATATGCAACCAATTTTATCACCCTGATTTAAATCATCCCCAAATGTTTG 46654

QY 569 ATCTCTATACAGAAATGGAATATTTTCAATAAAGCACACTCATGTTTACATCTTTGAA 628
DB 46655 CATTTCTGTTAATCTTAAATCTTCTCTTAAATGATTTTCAATTAATAGCACTATAATA 46714

QY 629 ATGGAA-----AAAAAATAATGATAGGATAGAAAAGAAACCAATTTTAAATAACTATATT 685
DB 46715 TGGTATTAGTACAAAAGTGCACATATGCTGTAAATCAGCTGTGGAATAAAGCA 96774

QY 686 TGAAGTATAGTTCTATATTAATAAACAAGATCTAGGCCAGGTGAGTGGCTCATGCCCTGT 745
DB 46775 TAAATGCAACATCTCTTTAGATAAAAAATTTTGTGGCGGGCGGCTCAGCCCTGT 96834

QY 746 AATCCAGCAATTTGGGAGTCCAGGTGGGAGGATTTGCTTGGAGCCAGGGTTCAAGACC 805
DB 46835 AATCCAGCACTTTGGGAGTCCAGGTGGGAGGATTTGCTTGGAGCCAGGGTTCAAGACC 96892

QY 806 AGCCTGGGCAACATGGAGATTTCCC 831
DB 46893 AGCCTGACCAACATGGTGAACCCCC 46918
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RESULT 4

US-09-949-016-16409
; Sequence 16409, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16409
; LENGTH: 107679
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16409

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Query Match          10.9%; Score 228; DB 4; Length 107679;
Best Local Similarity 60.6%; Pred. No. 7.2e-44;
Matches 452; Conservative 0; Mismatches 275; Indels 19; Gaps 4;

QY 103 TTATTCTGTTTACCTTCAAAATATCTTTTTTTTTTTTTTTTGGAGACAGGTCACACTGTC 162
DB 96175 TTGTAATTAATACTCTTTAATGTGGTTTTGTTGTTTGGAGACAGTCTGTTCTGTC 96234

QY 163 ACCCAGGTAGAGTCCAGTGGCACTATCATGGCTCACACAGCCTCAACCTTCAGGGCTC 222
DB 96235 ACCCAGGTGGAGTGCAGTGGCTCCATCTCAGCTCACTACAACTCCGCTCCTGGGTTCC 96294

QY 223 AGGTGATCTCCACTTCAGCCTCCGAGTAGATGGAGTACAGGCACTGCGCACCCACC 282
DB 96295 AAGTGATTTCTGCTGCTCAGCCTCCGAGTAGTGGGATTAAGGCACTGCGCACCCACC 96354

QY 283 CCAGCTAAATTTTT-----GTAGACACAGGTTTTGCCATGTTGTCCAGGCTGGTCT 333
DB 96355 CAGGCTAAATTTTGTATTTTGGTAGAGATGGGTTTTCCACATGTGGCAGACTGGTCT 96414

QY 334 TGAATCTCTGGGCTCAAGGGATCCGGCCACCTCAGCCTCCCAAGTGTAGGATATAGG 393
DB 96415 CGATCTCTGACCTCAAGTGATCCGCCACCTCGGCTCCTAAATGTGGGATATAGG 96474

QY 394 CATGAGCCACTGTGCGCCAGCCTACCTTCAAAGTATCTAACTGTTTAACTTTTAGGAT 453
DB 96475 CATGAACCACTGATGCCAGCCTTGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 96534

QY 454 TCGGCTATGTCTCAACACCTTCTTGCTTACTCAACATCTTGTCTTAAAGCCACTAGC 513
DB 96535 TTTTAAACAATAAATAACAATATCTGTGATGTCATCTTTTACCTCTAACACCATCTTCC 96594

QY 514 TTCTTCTCTATGGTTAAACATTTTAA-----TGAGTTTTTATTCATCTGCTTATTTTCTT 568
DB 96595 TTGTTAAATATGCAACCAATTTTATCACCCTGATTTAAATCATCCCCAAATGTTTG 96654

QY 569 ATCTCTATACAGAAATGGAATATTTTCAATAAAGCACACTCATGTTTACATCTTTGAA 628
DB 96655 CATTTCTGTTAATCTTAAATCTTCTCTTAAATGATTTTCAATTAATAGCACTATAATA 96714

QY 629 ATGGAA-----AAAAAATAATGATAGGATAGAAAAGAAACCAATTTTAAATAACTATATT 685
DB 96715 TGGTATTAGTACAAAAGTGCACATATGCTGTAAATCAGCTGTGGAATAAAGCA 96774

QY 686 TGAAGTATAGTTCTATATTAATAAACAAGATCTAGGCCAGGTGAGTGGCTCATGCCCTGT 745
DB 96775 TAAATGCAACATCTCTTTAGATAAAAAATTTTGTGGCGGGCGGCTCAGCCCTGT 96834

QY 746 AATCCAGCAATTTGGGAGTCCAGGTGGGAGGATTTGCTTGGAGCCAGGGTTCAAGACC 805
DB 96835 AATTCAGCACTTTGGGAGTCCAGGTGGGAGGATTTGCTTGGAGCCAGGGTTCAAGACC 96892

QY 806 AGCCTGGGCAACATGGAGATTTCCC 831
```



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Db 9140 ACTTACTATTTCTGTTACTTCTGTTCTCTTTTCCCTTTTTCATAACTCAATAACCT 9081
Qy 533 -----CTTTTATGAGTTTATTCACTGCTTATTCTTATCTTCTTATCTCTATA 578
Db 9080 GTTTAGCTAAATTCCTAAATCAATCTAACTAGTGTGTTCTGTTTCTTGCTCAGAT 9021
Qy 579 CCAGAAATGAATATTTTCAAAAT-----AAAGCACACTCATGTGTTACAATCT 623
Db 9020 CTTGACTTAAACGGTTTCTAAATGTAATCTCCACTTGGGAGAAAAATACAATCAAGTTCT 8961
Qy 624 TTGAAATGGAAAAAATAATGATAGGATTAAGAAAGAAACCAATTTTAAATAACTATAT 683
Db 8960 TAAGGAATGGCTGATATATGTGTCTTGGACAAAAATATATACAAGCCTGAGACATCTTGT 8901
Qy 684 TTT-----GAAGTATAGTTCTATATTAATAAACAACAA--GATCTAGGCCAGGTGCGTCA 738
Db 8900 TGTACAGAAATCAAGGAAGCTATCAAAATCAATGGGTGATGCCAGGACGGTAGCTCA 8841
Qy 739 TGCCTGTAATCCAGCAATTTGGGAAGTCGAGGTGGAGGATTTGCTTGAGGCCAGGGGTT 798
Db 8840 CCGCTGTAATCCAGCACTTAGGGAGGAGAGGCGGGAGGATAGCTTGAGCCAGGAGTT 8781
Qy 799 CAAGACAGCTGGGCAATGAGAGATTTCCCATCTCTTTCTTTTACACACACACAC 858
Db 8780 TGAGACCTCCCTGGGGAATACAGTGAG-----AACCTGTTCTCCACAAAAAGAAAAAG 8728
Qy 859 ACACACACAAAAATCTGATAGCAACAGGTGCGATCATTACCACAATTTTCGAGTAGTG 918
Db 8727 AAAAAAATAATCAATAGATTATGTCAAAAGGAATCAGAAAGCAAGAAAGGACTCCCA 8668
Qy 919 ATGAGCTTAATAATATTTTCGAGTTATCAACCAAACTGTAAACTAACTAAGAAAGCTGTG 978
Db 8667 TTGA-----CATATATGTTATCATTTAAGCATCAAAAGAGATGCTATCTGTGCTA 8612
Qy 979 TGATGACTATTGCCACA--AAGTCACAGTACTGCTAATCTCTGTTGTTTGTAGTAAA 1037
Db 8611 AGTTTTCAGTACAGATGCAAGGAAAAAAGTCTCTTATGCTTCCGCTGCTGCTGATGTT 8552
Qy 1038 TTCATAATAAGGAATGCTAGTTTTCAGTTGTTGTTATTTTGTCCACGGTCTGTGGACGG 1097
Db 8551 GGCAGCTGAGATTAATAAGAAATACAG-----GG 8521
Qy 1098 CAGGTTAGAACCCCGTCCAGCCAGGAGGGTGGACCTAGCACTCAGGGTCCACCTCGG 1157
Db 8520 AACTGGAAATACCTTGAAACAGTGAAGAGCCTGTTTACTCAGAGAAATCTAATCTTTT 8461
Qy 1158 GCCAATCAACTATATTCGAGCGCGGGGCTTGCGCTTCCCGGACCCAGCTGCCCTCAGG 1217
Db 8460 GAGTCGGCAGGAGAAGTTCTGGGAAATAGCCCTTACCACCTTTACTGTTGATTACACT 8401
Qy 1218 GGAGAGAGACACACTTAAGAGTTTGGGCGCGGCTGTTAGTCTATGCCCTGATCCAG 1277
Db 8400 TGCAAAAGCTTAAAGGT-----GGCAGGACAGTGGCTCATGCTGTTAATCCAG 8350
Qy 1278 CACTTCGGGAGCTCAGGCGTCAAGATCACTTTGTAGCAGGAGTTTGTAGACCACTAGCTAG 1337
Db 8349 AACTGTGGAGGCTCAGGAGCTGGATCACAAG--GTCAGGAGATCGAGACCATCTCGCT 8291
Qy 1338 AACTTTGGGAGACCTGTCCCTTAAAAAATTTTTTTTAAATTAGCCAG-----TTGTGT 1393
Db 8290 AACATGGTGAACCCCATCTCTACTAAAAATACAAAAAATAAGCCAGGCGCTCTGCG 8231
Qy 1394 GAGCGCTGTAGTCCAGCTACTCGGAGGCTGAGGTGGAGGATCGC--TGGGCTCAGGA 1452
Db 8230 GGAACCTGTGTCCAGCTACTCAGGAGGCTGAAAGTGGAGAAATGGCATGAACCCGGGA 8171
Qy 1453 GTTCCAGACTGAGTGAAGCATGATGGGCGCACTGCACTCCAGCGGG 1500
Db 8170 GCGGAGCTTGCAGTGAGCGGAGATTTGCCCACTGCACCTCCAGCTGG 8123
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US-09-949-016-15714
; Sequence 15714, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15714
; LENGTH: 38343
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(38343)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15714
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Query Match 10.7%; Score 223.8; DB 4; Length 38343;
Best Local Similarity 49.5%; Pred. No. 4.6e-43;
Matches 361; Conservative 0; Mismatches 357; Indels 12; Gaps 4;

Qy 117 TTCAAAATATCTTTTTTTTTTTTTTTTTTTCAGACAGGTCACACTGTCCACCAGCTAGACT 176
Db 15541 TTGTAACTTTTTTTTTTTTTTTTTTTTTGTGAGACAGTCTCATTGTGCGCCATGCTGGAGT 15600
Qy 177 CCAGTGGCACTATCATGTCTCACACAGCCTCAACCTTCAGGGCTCAGGTGATCTCTCCA 236
Db 15601 GCAGTGGCACAATCTCAGCTCACTGCAACCTCTGCTCCCGGTTCAAGCAATTCCTCTG 15660
Qy 237 CTTGAGCCTCCGAGTAGATGGAGCTACAGGCACTGTCACACCCAGCCAGCTAATTTTGG 296
Db 15661 CTTGAGCCTCTCGGTAGCTGAGACTACAAGCACCACCCAGCCTAGCTAATTTTGG 15720
Qy 297 TA-----GAGACAAGTTTTCATGTTGTCAGGCTGCTTGAACCTCTGCGCTC 348
Db 15721 TATTTTATAGTAAGACAGGGTTTTCACATGTTGGCCAGGCTGCGGTGAACCTCTGACCTC 15780
Qy 349 AAGGATCCGGCCACTCAGGCTCCCAAAGTGTCTAGGATTAAGGCATGAGCCACTGTGC 408
Db 15781 A--TGATCCACCGCCTCAGCCTCCCAAAGTGTCTAGGATTAAGGTGTGAGCCACACAC 15838
Qy 409 CCAG--CTTACCTTCAACGTATCTAACTGGTTACTAACTTTTAGGATTCGGCCTATGTCTC 467
Db 15839 CCGGCCCTAGTTGTAACCTTTTTTTTTTTTTTTTTTTTGTGAGACGGAGTCTTGTCTGTGCG 15898
Qy 468 ACAACCTTCTTGCTTA--CTCAACATCCTTGCTTTAAGCCACTAGCTTCTCTATGCG 526
Db 15898 CCAGCTGGCGCATCTCAGCTCACTGCAAGCTCCGCTCCNNNNNNNNNNNNNNNNNNNN 15958
Qy 527 TTAACACTTTTTATGAGTTTTATTCTCATCTGCTTATTTTCTTATCTCTATACCAAGATT 586
Db 15959 NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 16018
Qy 587 GAAATATTTTCAATAAGACACACTCATGTTACAATCTTTTGAAATGGAAAAAATAATGCA 646
Db 16019 NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 16078
Qy 647 TAGGATTAGAAAGAAACCAATTTTAAATAACTATATTTTGAAGTATAGTCTATATAA 706
Db 16079 NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 16138
Qy 707 ACAACAAGATCTAGGCCAGGTGCGTGCCTCATGCTGTAAATCCCGAGCAATTTGGGAAGT 766
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RESULT 9

US-09-949-016-15919
; Sequence 15919, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15919
; LENGTH: 40655
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-15919

Query Match 10.7%; Score 222.4; DB 4; Length 40655;
Best Local Similarity 52.8%; Pred. No. 1e-42;
Matches 815; Conservative 0; Mismatches 641; Indels 88; Gaps 12;

Qy	90	TCATATTTTCCACTTATTTCTGTTTACCTTCAAAATATCTTTTTTTTTTTTTTTTGGAGACA	149
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Qy	150	GGGTCCAGACTGTCACCCAGGCTAGAGTCAGTGGCACTATCATGCTCACCACAGCCCTCA	209
Db	16083	GTCCTACTGTCGTCACCCAGGCTGGAGTGGAGTGGCTCAATCTCGGTCACTGCAACCTCC	16142
Qy	210	ACCTTCAGGGCTCAGTGATCTCCCACTTCAGCCTCCCGAGTAGATGGGACTACAGGCA	269
Db	16143	ACTTCCAGGCTCAAGCAATCTCTGCTCAGCTCCGAGTACGCTGGATACAGTTG	16202
Qy	270	CTGCGCACACCCCAAGTATTTT-----GTAGACAAAG	306
Db	16203	CCCACCATATGCTGCTGCTTAATTTTTTTTTTTTTTTTGTATTTTGTAGTAGCTGGG	16262
Qy	307	GTTTGGCATGTGTCAGGCTGCTGTAATCTCTGGGCTCAAGGATCCGGCACCTC	366
Db	16263	TTTTCCACATGTTGCTCAGCTGGTCTCGAACTCTGACCTCAGGTAATCACCCTACCTT	16322
Qy	367	AGCTCCCAAGTGTAGGATTTATAGCATGAGCCACTGTGCCAGCCTACCTTCAAGCT	426
Db	16323	GGCTCCCAAGTGTGGATTTACAGCATGAGCCACCGTGGCCGGCTTA-----GAAAT	16378
Qy	427	ATCTAACTGGTTACTTAATTTTGGATTTGGGCTATGCTCACAACCTTCTTGTCTACTC	486
Db	16379	TTTTTATTATCAAAACAATATTTATGTAAGAAA-----CACACTTTTGGAAAAAAG	16432
Qy	487	AACATCTTGTCTCTTAAGCCACTAGCTTCTCTCTATGTTTACACATTTTATGATTT	546
Db	16433	AGAAATCCAGCATCCTAATCAGTCACCTATGATCTCTGATTTTCTTGTCTTCCCTC	16492
Qy	547	TATTCATCTGCTTATTTTCTTATCTCTATACCAAGAAATTTGAATTTTCAAAATAAGCA	606
Db	16493	TGAGCATGTGTACTTTTACTTAACCTT-----TGAAGTAAATTTACAGTTACAGCA	16541
Qy	607	CACATCATGTTACAATCTTTGAAATGGAAAAAATATCATAGGATTTAGAAAGAAACCA	666
Db	16542	TATATACAGCTAGCTTCTGCTTTTAAACTTAAATAGCATAGAT-----	16586
Qy	667	ATTTTAATAAATAATTTTGAAGTATAGTTCTATATTAACAACAAGATCTAGGCCAGG	726
Db	16587	ATTTTCCCTGTCACTCCCAAGTGTCTTGGTCAATTTTAAACAATAATTTATAGGCCAAG	16646

Qy	727	TGAGTGTGCTCATGCTGTATAATCCAGCAATTTGGAAAGTCGAGTGGAGGATTTGCTTG	786
Db	16647	TACAGTGTGCTCACACCTGTATAATCCCAACACTTTGGAGGCGGAGCAGCAGTCACTTG	16706
Qy	787	AGGCCAGGGTTCAGACCGCTGGGCAACATGGAGAGATTTCCCATCTCTTTCTTTTAC	846
Db	16707	AGGTGAGAGTTTCAGAGCACGCTTGGCCCAACATGGCGAAACCTATCTCTAC-----TAA	16761
Qy	847	ACACACACACACACACACACACAAATATCTGATAGCAACAGGTGCAAGTCAATTAACCAAA	906
Db	16762	AAATACAAAAAATTTAGCTAGGCATGGTGGCCCTGTATCCAGCTACTTGGGAGG	16821
Qy	907	TTTCGAGTGTGATGAGCTTAATATTTTCG-----AGTTATCACAACAACCTGTAACCT	962
Db	16822	CTGAGGCGAGGAGAAATCGCTTGAACCCAGGAGGACAGGTTTACAGTGAGCAAGATCACAC	16881
Qy	963	AACATGAAAAAGTCTGTGATGACTATTG-----CCACAAAGTCAAGGTACTGCTTAA	1015
Db	16882	CACGTGACTCCAGCCTGGGTGACAAAGACAAACCTCCATTTCAAAACAATAACAAACAAC	16941
Qy	1016	TACTCTCTGTTATTTGTAGTAAATTCATAATAAGGAAATGCTAGGTTTCAGTTGCTATTT	1075
Db	16942	AACAATAAAAAAATCTAATATTTCTTGAATTAAGATATTTATGTTGTTGTTGTTGTTG	17001
Qy	1076	TGTCGCGACGCTGTGGACGGCAGGTTAGAACGCGCTCCAAAGCCAGAGGCTGGAACCT	1135
Db	17002	TGTTCAATAATGAAAAAATTTATGTTGATCTCAAGTTCACAAATTTGAGGTATTTAGT	17061
Qy	1136	AGCACTGCGAGGCTCCACCTCGGGCCCAATCACTATATTTCCGAGGCGGGGCTGGCTT	1195
Db	17062	TTTTTATTTACATGATGATCTAATATTTTACAAATATTTTGAATATTTGAAACATTTTAA	17121
Qy	1196	CCCGACCCAGCTGCGCT--CAGGGGAGAGAGGACACACTTAAAGAGTTTGGGGCCGGCT	1253
Db	17122	GCAAGTATTTAATTTTCAGTTTAAATTTAAGTTTAAAGAGCTCAGGCTAGGCGC	17181
Qy	1254	GGTAGCTATCCCTGATCCACACATTCGGGAGGCTGAGGCGTGAAGATCACTTTGTAG	1313
Db	17182	AGTGCTCATGCTGTAATCCATCCTTTGGAGTCAAGGAGGAGTACTGCTGGAGC	17241
Qy	1314	-CAGAGTTTGAAGACCACTAGCCCACTTGGCGAGACCTGTCCTTAAAAAATTTT	1372
Db	17242	CCAGGAGTTCAAGACCAAGCTTAGCCAAATAAAGGACCTTGTACTACAAAAAATCAAA	17301
Qy	1373	TTTTTAATTTAGCCAGTTGTTGAGCGCTGTAGTCCAGCTACTCGGAGGCTGAGGTGG	1432
Db	17302	AAATAGCTGACGCTGGTGGCATGTGCTGTAGTCCCAGGCTCTCAAGAGGCTGAGGAG	17361
Qy	1433	GAGGATCGC-TGGGCTCAGGAGTTCCAGACTGCGAGTGAAGCCATGATGCGGCACTGCACT	1491
Db	17362	GAGGATTTGTTGAGCCAGGAGATTGAGACTGCGAGTGAAGCCAAAGTTGCACCATTTGCACT	17421
Qy	1492	CCAGGCG-----GTGAGACTCAGTCTCAAAATAAAGGGGAGGGGTTGGGGT	1542
Db	17422	TCAGCTGGGTGACAGGTGAGACCCCTCTCTAAAAAATGATAATAGTAAAAAAGCA	17481
Qy	1543	AAAATTTAGTTCTGAAATCAAGTAAAGCTTCTCGGAGCAGAAACAA	1586
Db	17482	AAAAATAAATAAATAAATTTAAAGCTTCCAGCAAGGAGAA	17525

RESULT 10

US-09-949-016-14577
; Sequence 14577, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755

QY	876	CTGATAGCAACAGGTGCACTCATATCCACAAATTTTGAGTAGTGTGATGAGCTTAAATATATT	935
Db	405917	CGCTCTAGTCCAGCTACTCGGGAGGCTGAGCAGGAGAAATGGGTGAACCCGGGAGGC	405977
QY	936	TCGAGTTATCAACCAACACTGTAACATAACATGAAAACTGTGATGACTATTGGCCAC	995
Db	405977	GGAGCTTTGCACTGAGCCGAGATCGGCCACTGCATCCAGTCTGGCGGACAGCAAGAC	406036
QY	996	AAAGTCACAGGTACTCTAATACTCTCTGGTATTTGTAGTAAATTCATAATAAGAAATG	1055
Db	406037	TCGCTCTCAAAAAAATAAAAAAACAACAAAAACAACAAATCTTAGATACATTGAGACC	406096
QY	1056	CTAGGTTTCAGTTGGTATTTTGTCCCGACGG-----TCTGTGACGGCAGGTTGAAACGC	1110
Db	406097	TTTGTCTCATGCTATTTTTCATTTGCTGGAGTGTCTTCTCTCTGATAGAAAAATCTTTCC	406156
QY	1111	CGCTCAAGCAGGAGGTTGGACCTTAGCACTGAGGGTCCACTCGGGCCAATCAACTAT	1170
Db	406157	ATACTCTAAGATGGAATTTTGGAAATTTTCTCTTGTGAAACTTCTTAATGATTCCAAAGT	406216
QY	1171	ATTCCCGAGGCGGGCCCTCGCTTCCCGACCCAGCTGCCCTCAGGGGAGAGAGACAC	1230
Db	406217	CAGGCCCTTCTATGTGAATATTTATTTTACCACATGCTAGTTTAAAAAACAACAAAC	406276
QY	1231	ACTTAAGAGTTTGGGCGCGCTGGTGTAGCTCATGCCCTTGATCCAGCACTTCGGGAGGC	1290
Db	406277	AAAAAATAAACAAGACAGCAGCGGCTCAGCGCTGTAATCCAGCACTTTGAGAGGC	406336
QY	1291	TGAGGCGTGAAGATCACTTTGTAGCAGGAGTTTGTAGACCACTGTAGCAACTTTGGCGAGC	1350
Db	406337	TGAGGCGGTTGGATCAAG-GTCAGGAGTTTGTAGACCACTGTGCGCAACATAGTGAAC	406395
QY	1351	CGTGTCCCTTAAAAAATAATTTTTTTTAAATGACGCTTGTGTGAGCGCTCTAGTCCCA	1410
Db	406396	GCGCTCTCTATTAAAAAATAACAAAAATAGTCGGGTGTGTGTCAGCGCTGTAAATCCA	406455
QY	1411	GCTACTCGGAGGCTGAGTGGGAGGATCGCTGGGCTCA-GGAGTTCCAGACTGCAGTGA	1469
Db	406456	GCTCTTCAGGAGACTGAGCAGGAGAAATCCCGTGAATCTGGGAGCGGAGGTTGCACTGA	406515
QY	1470	GCCATGATGGCGCACTGCCTCCAGC	1496
Db	406516	GCGGAGACGACCACTGCCTCCAGC	406542

RESULT 11

US-09-949-016-14578

Sequence 14578, Application US/09949016

Patent No. 6812339

GENERAL INFORMATION:

APPLICANT: VENTER, J. Craig et al.

TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

FILE REFERENCE: CL001307

CURRENT APPLICATION NUMBER: US/09/949,016

PRIOR FILING DATE: 2000-04-14

PRIOR APPLICATION NUMBER: 60/241,755

PRIOR FILING DATE: 2000-10-20

PRIOR APPLICATION NUMBER: 60/237,768

PRIOR FILING DATE: 2000-10-03

PRIOR APPLICATION NUMBER: 60/231,498

PRIOR FILING DATE: 2000-09-08

NUMBER OF SEQ ID NOS: 207012

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 14578

LENGTH: 678533

TYPE: DNA

ORGANISM: Human

FEATURE:

NAME/KEY: misc.feature

LOCATION: (1)...(678533)

OTHER INFORMATION: n = A,T,C or G

US-09-949-016-14578

QY	116	CTTCAAAATATCTTTTCTTTTCTTTTGTAGACAGGTCACACTGTCAACCCAGGCTAGAG	175
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QY	176	TCAGTGGCACTATCATGCTCCACACAGCCTCAACCTTTCAGGGCTCAGGTGATCCTCCC	235
Db	405199	TGGAGTGGTGTATCTTCACTCACTGTAACTCCGCTCCAGGTTCAAGCGATCTCCT	405258
QY	236	ACTTACGCTCCCGAGTAGAGTGGACTACAGGCACTGCCACCCAGCCTCAATTTT	295
Db	405259	GCTTCAGCCTCTGAGTAGCTGGGATTAACAGGCATGCCACCAATGCCGTGATTAATTTT	405318
QY	296	-----GTAGACACAGGTTTGGCAATGTGTGCGAGGCTGTCTTGAATCCTCGGC	346
Db	405319	GTAGTTTGTAGTAGACGGGTTTCAACATGTGGCGGGCTGGTCTCGAACTCCTGACC	405378
QY	347	TCAAGGATCCGCGCACCTCAGCCTCCCAAGTGTCTAGGATTTATAGGCATCAGCCACTGT	406
Db	405379	TGAGTGTATCCCGCGCTCGGCTCCCAAGTGTGGATTTACATGCTGAGCCACGC	405438
QY	407	GCCAGCTACCTTCAACGATCTAACTGGTTAATACTTTT--AGGATTCGGGCTATGT	464
Db	405439	CCCGACCCATATTTCTTATATCTATCCCTGCTTTTCCATTTGCAGTACTGTTCTGTAG	405498
QY	465	CTCACAACTTCTTGTCTTACTCAACATCCTGTCTCTTAAGCCACTAGCTTCTCTCTAT	524
Db	405499	CTTCCAGATGCTCTCCCTATGTCCAATCTCTCATCTCTCCAAATATATCTCTCTCTGT	405558
QY	525	GGTTAACACTTTTATAGTTTATTTTCTATCTGTTATTTTCTTATCTCTCTATACCAGAA	584
Db	405559	GCCAACTAGATCTTAAACAGTAGTAGTCACTGTTACTCTCTGTATTAATAATATGA	405618
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QY	705	AAACAACA-----AGATCTAGCCAGGTGACGTGCTCATGCCCTGTAAATCCACGA	755
Db	405739	CCTTAACAGTTCTAGATACATTTAGAGCCGGGACAGTGGCTCAAGCCCTGTAAATCCACGA	405798
QY	756	ATTTGGGAAGTCCAGGTGGAGGATTTGCTTGAAGCCAGGGTTCAAGACCAAGCCTGGGCA	815
Db	405799	CTTTGGAGGCCGAGCGGGCGGAT--CACAGGTCAGGAGATCGAGACCATCTCTGGCTA	405856
QY	816	ACATGGAGAGATTCCTCATCTCTTTTACACACACACACACACACACACACACAAATAT	875
Db	405857	ATCCGCTGAACCTCGTCTCTACTATAAATAACAAAAAATTAAGCCGAGCTGTGGCGGG	405916

PRIOR FILING DATE: 2000-10-20

PRIOR APPLICATION NUMBER: 60/237,768

PRIOR FILING DATE: 2000-10-03

PRIOR APPLICATION NUMBER: 60/231,498

PRIOR FILING DATE: 2000-09-08

NUMBER OF SEQ ID NOS: 207012

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 14577

LENGTH: 678533

TYPE: DNA

ORGANISM: Human

FEATURE:

NAME/KEY: misc.feature

LOCATION: (1)...(678533)

OTHER INFORMATION: n = A,T,C or G

US-09-949-016-14577

QY	116	CTTCAAAATATCTTTTCTTTTCTTTTGTAGACAGGTCACACTGTCAACCCAGGCTAGAG	175

Query Match 10.5%; Score 219.8; DB 4; Length 678533;
 Best Local Similarity 50.9%; Pred. No. 1.1e-41;
 Matches 716; Conservative 0; Mismatches 662; Indels 29; Gaps 7;

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QY 176 TCCAGTGGCACTATCATGGCTCACACAGCCTCAACCTTCAGGGCTCAGGTGATCCTCCC 235
 DB 405199 TGGAGTGGTGTGATCTCCACTCACTGTAACTCCGCTCCACAGGTTCAAGCGATTCTCCT 405258

QY 236 ACTTCAGCCTCCGAGTAGATGGAGCTACAGGCACCTGCCACACCCAGCTAATTTTT 295
 DB 405259 GCCTCAGCCTCCTGAGTAGCTGGGATTTACAGGCATGCACCACTGCTGATTAATTTTT 405318

QY 296 -----GTAGAGACAAGGTTTTGCATGTTGTCTCCAGGCTGCTTTGAACCTCTGGGC 346
 DB 405319 GTAGTTTTAGTAGAGACGGGTTTTACACATGTTGGCCGGGCTGCTCTGNACTCTTGACC 405378

QY 347 TCAAGGATCCGGCCACTCAGCCTCCAAAGTGTCTAGGATTAAGGCATGAGCCACTGT 406
 DB 405379 TCAGTGTATCCGCCCGCTCGGCTCCAAAGTGTGGGATTAACATGCTGAGCCACCGC 405438

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 DB 405499 CTTCCAGATGCTCTCCCTATGTCCAATCTCTCATCTCTCAAATTTATCTTCTCTCTGTT 405558

QY 525 GGTAAACACTTTTTATGAGTTTTATTCACTGCTTATTTTTTCTTATCTCTCTATPACCAGAA 584
 DB 405559 GCCAACTAGATTCTAAAAACAGGTAAAGTCTGTTACTCTCTGATTAAAAATATCA 405618

QY 585 TTGAATATTTTCAATAAAGCAGCACTCATGTTACAACTTTTGAATGGAAAAAATAATG 644
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QY 645 CATAGGATTTAGAAAGAAACCAATTTTAAATAAATATATTTCGAAGTATAGTTCTATATT 704
 DB 405679 CTTATCCCTCTATAGCTCCCTGCTTGTGCAAGCTACTTATCTCAGATAGTTCAGTT 405738

QY 705 AAACAACA-----AGATCTAGGCCAGGTGCGAGTGCATGCTGTGTAATCCAGCA 755
 DB 405739 CTTTAAACAGTTCTAGATACATTGAGGCGGGCAGCAGTGGCTCAAGCTGTGTAATCCAGCA 405798

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 DB 405799 CTTTGGGAGGCCGAGGCGGGGAT--CAGAGTCAAGGATCGAGACCATCTCTGGCTA 405856

QY 816 ACATGGAGAGATTCCTTCTTTTATACACACACACACACACACACACACAAATAT 875
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QY 936 TCGAGTTATACCAACAACACTGTAACATAACATGAACAGTCTGTGATGACTATTGGCCAC 995
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Search completed: June 2, 2005, 12:03:18
Job time : 404 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 2, 2005, 10:53:40 ; Search time 1239 Seconds
(without alignments)
10344.936 Million cell updates/sec

Title: US-09-909-317-5

Perfect score: 2085

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Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 5706582 seqs, 3073711274 residues

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Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	1223.6	58.7	10619	15	US-10-240-453-1
5	1223.6	58.7	10619	17	US-10-240-589C-1
C	1203.2	57.7	10619	14	US-10-239-676-2
C	1203.2	57.7	10619	15	US-10-311-455-44
C	1203.2	57.7	10619	15	US-10-240-453-2
C	1203.2	57.7	10619	17	US-10-240-589C-2
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38	226	10.8	67783	11	US-10-723-860-2326	Sequence 446, App
39	220.6	10.6	370	18	US-10-074-024-446	Sequence 34, Appli
40	219.8	10.5	32191	17	US-10-034-650-34	Sequence 2768, Ap
C	219.2	10.5	96595	17	US-10-322-696-70	Sequence 70, Appl
42	218.6	10.4	147620	18	US-10-741-600-17761	Sequence 17761, A
43	217.6	10.4	169659	18	US-10-741-600-17761	Sequence 33297, A
44	217.2	10.4	28693	19	US-10-363-345A-33297	
C	217	10.4	652	18		

ALIGNMENTS

RESULT 1

US-09-909-317-5
; Sequence 5, Application US/09909317
; Publication No. US20040152075A1
; GENERAL INFORMATION:
; APPLICANT: Betty P. Teao (Inventor)
; APPLICANT: Rita M. Cantor (Inventor)
; APPLICANT: Jerome I. Roter (Inventor)
; TITLE OF INVENTION: Genetic Marker Test for Lupus
; FILE REFERENCE: 18810-82152
; CURRENT APPLICATION NUMBER: US/09/909,317
; CURRENT FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: 09/280,181
; PRIOR FILING DATE: 1999-03-29
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 2085
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-317-5

Query Match 100.0%; Score 2085; DB 11; Length 2085;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2085; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTAGGGATGATATAGTTGTCAACCCAGATGGCATCATGCTTTTGACTTGGTCA 60

Db 1 TTTAGGGATGATATAGTTGTCAACCCAGATGGCATCATGCTTTTGACTTGGTCA 60

Qy 61 TTCTCTAGTAAACTTTTATTTGTTCCATCATATTTTCCACTTATCTGTTACCTTCA 120

Db 61 TTCTCTAGTAAACTTTTATTTGTTCCATCATATTTTCCACTTATCTGTTACCTTCA 120

QY	121	AAATATCTTTTTTTTTTTTTTTTTTTTGTAGACAGGGTCACACTGTCACCCAGGCTAGAGTCCAG	180
Db	121	AAATATCTTTTTTTTTTTTTTTTTTTTGTAGACAGGGTCACACTGTCACCCAGGCTAGAGTCCAG	180
QY	181	TGGCACTATCATGGCTCACACAGCCTCAACCTTCAGGGCTCAGGTGATCCTCCACTTC	240
Db	181	TGGCACTATCATGGCTCACACAGCCTCAACCTTCAGGGCTCAGGTGATCCTCCACTTC	240
QY	241	AGCCTCCCGAGTAGATGGACTACAGGCACCTGCCACCACCCCAGAGTAATTTTTGTAGA	300
Db	241	AGCCTCCCGAGTAGATGGACTACAGGCACCTGCCACCACCCCAGAGTAATTTTTGTAGA	300
QY	301	GACAAGGTTTTGCCATGTTGTCAGGCTGGTCTTGAACTCCTGGGCTCAAGGGATCCGGC	360
Db	301	GACAAGGTTTTGCCATGTTGTCAGGCTGGTCTTGAACTCCTGGGCTCAAGGGATCCGGC	360
QY	361	CACCTCAGCCTCCCAAAGTGCTAGGATTATAGGCATGAGCCACHTGTGCCCHAGCCTACGTT	420
Db	361	CACCTCAGCCTCCCAAAGTGCTAGGATTATAGGCATGAGCCACHTGTGCCCHAGCCTACGTT	420
QY	421	CAACGTATCTAAGCTGGTTACTAACTTTTTPAGATTTCGGCTATGNTCTCACAACTTCCTGC	480
Db	421	CAACGTATCTAAGCTGGTTACTAACTTTTTPAGATTTCGGCTATGNTCTCACAACTTCCTGC	480
QY	481	TTACTCAACATCCTTGCTCTTAAGCCACTAGTCTTCTCTATGGTTAAACACTTTTTAT	540
Db	481	TTACTCAACATCCTTGCTCTTAAGCCACTAGTCTTCTCTATGGTTAAACACTTTTTAT	540
QY	541	GAGTTTTATCATCTGCTTATTTTTCTTATCCTCTATACAGAAATGGAATTTTTCAAA	600
Db	541	GAGTTTTATCATCTGCTTATTTTTCTTATCCTCTATACAGAAATGGAATTTTTCAAA	600
QY	601	AAAGCACACTCATGTTACAACTTTGAAATGGAAAAAAAATGCATAGGATTAGAAAG	660
Db	601	AAAGCACACTCATGTTACAACTTTGAAATGGAAAAAAAATGCATAGGATTAGAAAG	660
QY	661	AAACCAATTTTAAATAAACCTATATTTGAAAGTATAGTCTATATTTAAACAAAGATCTAG	720
Db	661	AAACCAATTTTAAATAAACCTATATTTGAAAGTATAGTCTATATTTAAACAAAGATCTAG	720
QY	721	GCCAGGTCAGTGGCTCATGCTGTAACTCCAGCAATTTGGGAAGTCAGGTGGGAGAT	780
Db	721	GCCAGGTCAGTGGCTCATGCTGTAACTCCAGCAATTTGGGAAGTCAGGTGGGAGAT	780
QY	781	TGCTTGAGGCCAGGGGTTCAAGACCGCTGGGCAACATGAGAGATTCCCCATCTCTTT	840
Db	781	TGCTTGAGGCCAGGGGTTCAAGACCGCTGGGCAACATGAGAGATTCCCCATCTCTTT	840
QY	841	CTTTAC	900
Db	841	CTTTAC	900
QY	901	CCAATTTTCAGTAGTAGTGAAGCTTAATAATTTTCAGTTATCAACAACTGTAAA	960
Db	901	CCAATTTTCAGTAGTAGTGAAGCTTAATAATTTTCAGTTATCAACAACTGTAAA	960
QY	961	CTACATGAAACGCTGTGTAGTACTATGCCCCAAGTCACAGGTACTGCTAATACTC	1020
Db	961	CTACATGAAACGCTGTGTAGTACTATGCCCCAAGTCACAGGTACTGCTAATACTC	1020
QY	1021	CTGGTATTTGTAGTAAATTCATAATAAGAGAAAATGCTAGGTTTCAGTTGGTATTTTCTCC	1080
Db	1021	CTGGTATTTGTAGTAAATTCATAATAAGAGAAAATGCTAGGTTTCAGTTGGTATTTTCTCC	1080
QY	1081	CGACGGTCTGTGGACGGCAGGTTAGAACCCCGTCCAAGCCAGGAGGTGSACTTAGCAC	1140
Db	1081	CGACGGTCTGTGGACGGCAGGTTAGAACCCCGTCCAAGCCAGGAGGTGSACTTAGCAC	1140
QY	1141	TGCAGGGTCCACCTCGGGCCAACTCAACTATATTTCCGAGGGGGGGCTTCGGCTTCCGG	1200
Db	1141	TGCAGGGTCCACCTCGGGCCAACTCAACTATATTTCCGAGGGGGGGCTTCGGCTTCCGG	1200
QY	1201	ACCAGCTGCCCCCTCAGGGGAGAGAGGACACACTTAAAGATTTTGGGGCGGCGTGTAGCT	1260

[illegible]

RESULT 2
US-10-239-676-1
; Sequence 1, Application US/10239676
; Publication No. US20030082609A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with Gene Regulation
; FILE REFERENCE: 5013.11003
; CURRENT APPLICATION NUMBER: US/10/239,676
; CURRENT FILING DATE: 2002-09-24
; PRIOR APPLICATION NUMBER: PCT/EP01/03968

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; DE 10019058.8
; DE 10019173.8
; DE 10032529.7
; DE 10043826.1
; PRIOR FILING DATE: 2001-04-06
; 2000-04-06
; 2000-04-07
; 2000-06-30
; 2000-09-01
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 1
; LENGTH: 10619
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-239-676-1

Query Match      58.7%; Score 1223.6; DB 14; Length 10619;
Best Local Similarity 77.2%; Pred. No. 4.3e-289;
Matches 1618; Conservative 0; Mismatches 459; Indels 19; Gaps 10;

QY 1 TTTAGGGATGATATAGTTGTGCAACCCAGAGATGGCATCATGCTTTTGACTTTGGTCA 60
Db 1 TTTAGGGATGATATAGTTGTGCAACCCAGAGATGGCATCATGCTTTTGACTTTGGTCA 60
QY 61 TTCTCTAAGTAAACCTTTTATTTGTTCATCATATTTTCCACTTATCTGTTTACTTCA 120
Db 61 TTCTCTAAGTAAACCTTTTATTTGTTCATCATATTTTCCACTTATCTGTTTACTTCA 120
QY 3176 TTTTAAAGTAAATTTTATTTGTTTATATATATTTTATTTTATTTTATTTTATTTA 3235
Db 3176 TTTTAAAGTAAATTTTATTTGTTTATATATATTTTATTTTATTTTATTTTATTTA 3235
QY 121 AAATATCTTTTTTTTTTTTTTTTGTAGACAGGGTCACTGTCACCCAGCGTAGTCCAG 180
Db 121 AAATATCTTTTTTTTTTTTTTTTGTAGACAGGGTCACTGTCACCCAGCGTAGTCCAG 180
QY 3236 AAATA--TTTTTTTTTTTTTTTGTAGATAGGGTTATATTTGTTTATTTAGGTTAG 3293
Db 3236 AAATA--TTTTTTTTTTTTTTTGTAGATAGGGTTATATTTGTTTATTTAGGTTAG 3293
QY 181 TGGCACTATCATGGCTCACCCAGCTCAACCTTCAGGGCTCAGGTGATCTCCACCTC 240
Db 181 TGGCACTATCATGGCTCACCCAGCTCAACCTTCAGGGCTCAGGTGATCTCCACCTC 240
QY 3294 TGGTATATATGTTTATATAGTTTAAATTTTGTAGGTTAGGTGATTTTATTTT 3353
Db 3294 TGGTATATATGTTTATATAGTTTAAATTTTGTAGGTTAGGTGATTTTATTTT 3353
QY 241 AGCCTCCCGAGTAGATGGGACTACAGGCACCTGCCACACCCAGCTAAATTTTGTAGA 300
Db 241 AGCCTCCCGAGTAGATGGGACTACAGGCACCTGCCACACCCAGCTAAATTTTGTAGA 300
QY 3354 AGTTTTCGAGTAGATGGATATAGGTATTTGTTATTTATTTTATTTTGTAGA 3413
Db 3354 AGTTTTCGAGTAGATGGATATAGGTATTTGTTATTTATTTTATTTTGTAGA 3413
QY 301 GACAAGGTTTTGCCATGTTGCCAGGCTGGCTTGAACCTCCTGGGCTCAAGGGATCCGGC 360
Db 301 GACAAGGTTTTGCCATGTTGCCAGGCTGGCTTGAACCTCCTGGGCTCAAGGGATCCGGC 360
QY 3414 GATAAGGTTTGTATGTTGTTAGTGTGTTTGAATTTTGGGTTTAAAGGATTCGT 3473
Db 3414 GATAAGGTTTGTATGTTGTTAGTGTGTTTGAATTTTGGGTTTAAAGGATTCGT 3473
QY 361 CACCTCAGCTCCCAAGTGTAGATATAGGCATAGGCACCTGTCGCCAGCTACCTT 420
Db 361 CACCTCAGCTCCCAAGTGTAGATATAGGCATAGGCACCTGTCGCCAGCTACCTT 420
QY 3474 TATTTTAGTTTATTTTAAAGTGTAGGATATAGGTATAGGTATTTAGTTTATTTT 3533
Db 3474 TATTTTAGTTTATTTTAAAGTGTAGGATATAGGTATAGGTATTTAGTTTATTTT 3533
QY 421 CAACGTATCTAAGTGTAACTTAACTTTTAGGATTCGGCTATGCTCAACACCTTCTTGC 480
Db 421 CAACGTATCTAAGTGTAACTTAACTTTTAGGATTCGGCTATGCTCAACACCTTCTTGC 480
QY 3534 TAACTATTTAATTTGGTTATTAATTTTATAGGATTCGGTTATGTTTATTAATTTTGT 3593
Db 3534 TAACTATTTAATTTGGTTATTAATTTTATAGGATTCGGTTATGTTTATTAATTTTGT 3593
QY 481 TTACTCAACATCTTTGCTCTTAAGCCACTAGCTTCTCTATGTTTAAACACTTTTAT 540
Db 481 TTACTCAACATCTTTGCTCTTAAGCCACTAGCTTCTCTATGTTTAAACACTTTTAT 540
QY 3594 TTAATTAATATTTTGTGTTTAAAGTATAGTTTATTTTATGTTTAAATTTTAT 3653
Db 3594 TTAATTAATATTTTGTGTTTAAAGTATAGTTTATTTTATGTTTAAATTTTAT 3653
QY 541 GAGTTTATCATCTGCTATTTTCTTATCTCTATACCAAGATTAATTTTCAAT 600
Db 541 GAGTTTATCATCTGCTATTTTCTTATCTCTATACCAAGATTAATTTTCAAT 600
QY 3654 GAGTTTATTTATTTTGTGTTTATTTTATTTTATTTTATTTTATTTTATTTTAAAT 3713
Db 3654 GAGTTTATTTATTTTGTGTTTATTTTATTTTATTTTATTTTATTTTATTTTAAAT 3713
QY 601 AAAGCACACTCATGTTTAACTTTTGAATGAAAAAATGATAGGATTAAGAAAG 660
Db 601 AAAGCACACTCATGTTTAACTTTTGAATGAAAAAATGATAGGATTAAGAAAG 660
QY 3714 AAAGTATATTTATGTTTAAATTTTGTGAAAT--GAAAAAATAATGATAGGATTAAGAAAG 3772
Db 3714 AAAGTATATTTATGTTTAAATTTTGTGAAAT--GAAAAAATAATGATAGGATTAAGAAAG 3772
QY 661 AAACCAATTTTAAATAAATATTTTGAAGTATAGTTTCTATATTAACAACAAGATCTAG 720
Db 661 AAACCAATTTTAAATAAATATTTTGAAGTATAGTTTCTATATTAACAACAAGATCTAG 720
QY 3773 AAATTAATTTTAAATAAATATTTTGAAGTATAGTTTATTTATTAATAATAAGATTTAG 3832
Db 3773 AAATTAATTTTAAATAAATATTTTGAAGTATAGTTTATTTATTAATAATAAGATTTAG 3832
QY 721 GCCAGGTGAGTGGCTCATGCTGTAATCCAGCAATTTGGGAAGTCCAGGTGGAGGAT 780
Db 721 GCCAGGTGAGTGGCTCATGCTGTAATCCAGCAATTTGGGAAGTCCAGGTGGAGGAT 780
QY 3833 GTTAGGTGATGGTTTATGTTTGTAAATTTTAGTAAATTTTGGGAAGTCGAGGTGGAGGAT 3892
Db 3833 GTTAGGTGATGGTTTATGTTTGTAAATTTTAGTAAATTTTGGGAAGTCGAGGTGGAGGAT 3892
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QY 781 TGCTTGAGGCCAGGGGTTCAAGACCCAGCTCGGCAACATGGAGAGATTCCCCATCTCTTT 840
Db 781 TGCTTGAGGCCAGGGGTTCAAGATTTAGTTTCGGTAAATATGGAGAGATTTTTTATTTTTTT 3952
QY 841 CTT-----TACACACACACACACACACACACACACACACACACACACACACACAC 894
Db 841 CTT-----TACACACACACACACACACACACACACACACACACACACACACACAC 894
QY 3953 TTTTATATATATATATATATATATATATATATATATATATATATATATATATATATAT 4012
Db 3953 TTTTATATATATATATATATATATATATATATATATATATATATATATATATATAT 4012
QY 895 TCATTACCACAAATTTTCGAGTAGTAGTAAATAATATTTTCGAGTTATCACCACACAC 954
Db 895 TCATTACCACAAATTTTCGAGTAGTAGTAAATAATATTTTCGAGTTATATTAATAAT 4072
QY 955 TGTAAACTAAATGAAAAACGCTGTGATGACTATTGCCCCAACAAAGTCACAGTACTGCTA 1014
Db 955 TGTAAACTAAATGAAAAACGCTGTGATGACTATTGCCCCAACAAAGTCACAGTACTGCTA 1014
QY 4073 TGTAAAGTAATGAAAAACGTTTGTGATGATTATTTGTTTATAAAGCTTATAGGTTATGTTA 4132
Db 4073 TGTAAAGTAATGAAAAACGTTTGTGATGATTATTTGTTTATAAAGCTTATAGGTTATGTTA 4132
QY 1015 ATACTCTCGTATTTGTAG--TAAATTCATATAAAGGAATTCCTAGGTTTTCAGTTGGTAT 1073
Db 1015 ATACTCTCGTATTTGTAG--TAAATTCATATAAAGGAATTCCTAGGTTTTCAGTTGGTAT 1073
QY 4133 ATATTTTGTGTTTGTAGTTTAAATTTTATAAAGGAAATGTTTAGGTTTGTAGTTAT 4192
Db 4133 ATATTTTGTGTTTGTAGTTTAAATTTTATAAAGGAAATGTTTAGGTTTGTAGTTAT 4192
QY 1074 TTTGTCCGACGGTCTGTGGACGGCAGGTTAGAACGCCCGCTCCAAAGCCAGGAGGTGGAC 1133
Db 1074 TTTGTCCGACGGTCTGTGGACGGCAGGTTAGAACGCCCGCTCCAAAGCCAGGAGGTGGAC 1133
QY 4193 TTTGTTTCGACGGTCTGTGGACGGTGTAGGTAGAACGTTTCGTTTAAAGTTAGGAGGTGGAT 4252
Db 4193 TTTGTTTCGACGGTCTGTGGACGGTGTAGGTAGAACGTTTCGTTTAAAGTTAGGAGGTGGAT 4252
QY 1134 CTAGCACTGCAAGGTCCACCTCGGCGCAATCAACTATATTTCCGAGCGGGGGCTGGCG 1193
Db 1134 CTAGCACTGCAAGGTCCACCTCGGCGCAATCAACTATATTTCCGAGCGGGGGCTGGCG 1193
QY 4253 TTAGTATTTGTAGGTTTATTTTCGGGTTAATTTAAATTTATTTTCGAGCGGGGG--TTCCGT 4311
Db 4253 TTAGTATTTGTAGGTTTATTTTCGGGTTAATTTAAATTTATTTTCGAGCGGGGG--TTCCGT 4311
QY 1194 TTCGGGACCCAGCTGCCCTCAGGGAGAGAGGACACACTTAAAGAGTTTGGGGCGGGCT 1253
Db 1194 TTCGGGACCCAGCTGCCCTCAGGGAGAGAGGACACACTTAAAGAGTTTGGGGCGGGCT 1253
QY 4312 TTTTCGGATTTAGTTGTTTTCGAGGAGAGAGATATATTTAAAGAGTTTGGGGCTCGGGT 4371
Db 4312 TTTTCGGATTTAGTTGTTTTCGAGGAGAGAGATATATTTAAAGAGTTTGGGGCTCGGGT 4371
QY 1254 GGTAGCTCATGCCCTCGATCCAGCACTTCGGAGGCTGAGCGTGAAGATCACCTTGTAG 1313
Db 1254 GGTAGCTCATGCCCTCGATCCAGCACTTCGGAGGCTGAGCGTGAAGATCACCTTGTAG 1313
QY 4372 GGTAGTATATGTTTGTATTTTGTATTTTCGGAGGTTGAGCGTGAAGATTTATTTGTAG 4431
Db 4372 GGTAGTATATGTTTGTATTTTGTATTTTCGGAGGTTGAGCGTGAAGATTTATTTGTAG 4431
QY 1314 CAGGAGTTTGAGACAGTCTAGCCAACTTGGCGAGACCTGTCCCTAAAAAATTTTTTT 1373
Db 1314 CAGGAGTTTGAGACAGTCTAGCCAACTTGGCGAGACCTGTCCCTAAAAAATTTTTTT 1373
QY 4432 TAGGAGTTTGAGATTTAGTTTAAATTTTCGGCGAGATTTTCTGTTTTTAAAAAATTTTTTT 4491
Db 4432 TAGGAGTTTGAGATTTAGTTTAAATTTTCGGCGAGATTTTCTGTTTTTAAAAAATTTTTTT 4491
QY 1374 TTTAATTTAGCCAGTTGTTGAGCGCTGTAGTCCAGCTACTCGGGAGGCTGAGGTGGG 1433
Db 1374 TTTAATTTAGCCAGTTGTTGAGCGCTGTAGTCCAGCTACTCGGGAGGCTGAGGTGGG 1433
QY 4492 TTTAATTTAGTTAGTTGTTGAGCGTTTGTAGTTTATTTAGTTATTCGGAGGTTGAGGTGGG 4551
Db 4492 TTTAATTTAGTTAGTTGTTGAGCGTTTGTAGTTTATTTAGTTATTCGGAGGTTGAGGTGGG 4551
QY 1434 AGGATCGCTGGGCTCAGGAGTTCCAGACTCGAGTGAGCCATGATGCGCGGCACTGCACCTC 1493
Db 1434 AGGATCGCTGGGCTCAGGAGTTCCAGACTCGAGTGAGCCATGATGCGCGGCACTGCACCTC 1493
QY 4552 AGGATCGTTGGGTTTAGGAGTTTGTAGTTGTAGTGAGTTATGATGGCGGTATTTGTTATTT 4611
Db 4552 AGGATCGTTGGGTTTAGGAGTTTGTAGTTGTAGTGAGTTATGATGGCGGTATTTGTTATTT 4611
QY 1494 AGCGCGGTGAGACTCAGTCTCAAAAAATAAAGGGGGGGGGTTCGGGGTAAAAATTTAGTTG 1553
Db 1494 AGCGCGGTGAGACTCAGTCTCAAAAAATAAAGGGGGGGGGTTCGGGGTAAAAATTTAGTTG 1553
QY 4612 AGCGCGGTGAGATTTAGTTTAAAAATAAAGGGGGGGGGTTCGGGGTAAAAATTTAGTTG 4671
Db 4612 AGCGCGGTGAGATTTAGTTTAAAAATAAAGGGGGGGGGTTCGGGGTAAAAATTTAGTTG 4671
QY 1554 TGAATCAAGTAAAGTCTTCGGGACAGAACAACTCAAGGGGTGGCGCGGGTCTCCAA 1613
Db 1554 TGAATCAAGTAAAGTCTTCGGGACAGAACAACTCAAGGGGTGGCGCGGGTCTCCAA 1613
QY 4672 TGAATTAAGTAAAGATTTTTCGGGATAGAAATAAATAAAGGGGTTCGGGTTCGGGTTTTTAA 4731
Db 4672 TGAATTAAGTAAAGATTTTTCGGGATAGAAATAAATAAAGGGGTTCGGGTTCGGGTTTTTAA 4731
QY 1614 AGAGCTACTAGCTCAGCCCAAGCCCGCTCGGCCCCCAGGCGAGCGCGCAGAGCTCC 1673
Db 1614 AGAGCTACTAGCTCAGCCCAAGCCCGCTCGGCCCCCAGGCGAGCGCGCAGAGCTCC 1673
QY 4732 AGAGTTATTTAGTTTAAAGTTTCGTTTCGGTTTTTA--GGTAGCGGTTCGTAGAGTTT 4790
Db 4732 AGAGTTATTTAGTTTAAAGTTTCGTTTCGGTTTTTA--GGTAGCGGTTCGTAGAGTTT 4790
QY 1674 ACCCGGAGGCGCGCGGAAACTCCGCCCCCGCGGAGGCGCGCGCG--CCGCGCGGCG 1732
Db 1674 ACCCGGAGGCGCGCGGAAACTCCGCCCCCGCGGAGGCGCGCGCG--CCGCGCGGCG 1732
QY 4791 ATTTCGTTAGGCTTCGGGAAATTTTCGTTTTCGTTTCGTTAGGCGCGCGCGTTCGTT 4850
Db 4791 ATTTCGTTAGGCTTCGGGAAATTTTCGTTTTCGTTTCGTTAGGCGCGCGCGTTCGTT 4850
QY 1733 CCGCCCCGTGACGCGGTTCCGT--GGCGTTCCCGCGCGCAGGCATCAAGCAATCTATCAG 1791
Db 1733 CCGCCCCGTGACGCGGTTCCGT--GGCGTTCCCGCGCGCAGGCATCAAGCAATCTATCAG 1791
QY 4851 TCGTTTCGTGACGCGGTTTCGTTGGCGTTTTCGCGGTTAGGTATTTAGTAATTTATTTAG 4910
Db 4851 TCGTTTCGTGACGCGGTTTCGTTGGCGTTTTCGCGGTTAGGTATTTAGTAATTTATTTAG 4910
QY 1792 GGAACGCGGTTGGCGGTTGCGCGTTGTCGTTG--CGCTCTGGCGGCTCAGCCGTCGGG 1849
Db 1792 GGAACGCGGTTGGCGGTTGCGCGTTGTCGTTG--CGCTCTGGCGGCTCAGCCGTCGGG 1849
QY 4911 GGAAACGCGGTTGGTTCGTTGCGCGGTTGTCGTTGCGGTTTTTGGTTCGTTTAAAGTTGCGG 4970
Db 4911 GGAAACGCGGTTGGTTCGTTGCGCGGTTGTCGTTGCGGTTTTTGGTTCGTTTAAAGTTGCGG 4970
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Qy 1950 CTGGGTGAGCGCAGCGAGCGCGGCAGCGCAACGCTGTGTTTCTTAGGTCTGTGGCGTCG 1909

Dd 4971 TTGGGTGAGCGTACGCGAGCGCGGCGCGTA---CCGTGTTTTAGGTCTGTGGCGTCG 5027

Qy 1910 GGCTTCGGAGCTTTGGCGGCGAGCTAGGGGAGGATGCCGAGTCTTCGGATAAGCTCAT 1969

Dd 5028 GGTTCCTGGAGTTTTTGCGGTAGTTAGGGAGGATGGCGAGTTTCGGATAAGTTTTAT 5087

Qy 1970 CGAGTCAGTACGCAAGAGCGGCGCGCTCTTGCAGAAATGCAGCGAGAGCATCCCC 2029

Dd 5088 CGAGTCAGTACGTTAGAGCGGCGGCTTTTGTAGAANAATGACGAGAGTATTTTT 5147

Qy 2030 AAGAGCTCGCTCCGATGGCCATCATCGTGAAGTGGCGGCGCGCTGTGCGCGCGGG 2085

Dd 5148 AAGGATTCTGTTCCGATCGTTATTATGCTGAGGTGGCGGTTTTGTGCGGCGCGCG 5203

RESULT 3

US-10-311-455-43

; Sequence 43, Application US/10311455

; Publication No. US20030143606A1

; GENERAL INFORMATION:

; APPLICANT: OLEK, Alexander

; APPLICANT: PIEPENBROCK, Christian

; APPLICANT: BERLIN, Kurt

; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determining Methylation Levels of Cytosine Residues

; FILE REFERENCE: 5013.1014

; CURRENT APPLICATION NUMBER: US/10/311,455

; CURRENT FILING DATE: 2002-12-16

; PRIOR APPLICATION NUMBER: PCT/BP01/07537

; PRIOR FILING DATE: 2001-07-02

; PRIOR APPLICATION NUMBER: DE 10032529.7

; PRIOR FILING DATE: 2000-06-30

; PRIOR APPLICATION NUMBER: DE 10043826.1

; PRIOR FILING DATE: 2000-09-01

; NUMBER OF SEQ ID NOS: 2424

; SEQ ID NO 43

; LENGTH: 10619

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)

US-10-311-455-43

Query Match 58.7%; Score 1223.6; DB 15; Length 10619;

Best Local Similarity 77.2%; Pred. No. 4.3e-289;

Matches 1618; Conservative 0; Mismatches 459; Indels 19; Gaps 10;

Qy 1 TTTAGGATGATATAGTTGTCAACCAGAGATGGCATGATCGCTTTTGACTTTGTGCA 60

Dd 3116 TTTAGGATGATATAGTTGTCAACCAGAGATGGCATGATCGCTTTTGACTTTGTGCA 3175

Qy 61 TTCTCTAAGTAAAACTTTATTTGTTCCATCATATTTTCCACTTATTTCTGTTTACCTTCA 120

Dd 3176 TTTTAAAGTAAAATTTTATTTGTTTATTATATTTTATTATTATTGTTTATTTT 3235

Qy 121 AAATATCTTTTTTTTTTTTTTTTGTAGACAGGTCACACTGTCAACCAGGCTAGAGTCCAG 180

Dd 3236 AAATA--TTTTTTTTTTTTTTTTTGTAGATAGGGTTATATTGTTATTTAGGTAGAGTTAG 3293

Qy 181 TGCGACTATCATGTGCTCACACAGCTCAACCTTCAGGGCTCAGGTGATCTCCCACCTTC 240

Dd 3294 TGGTATTATTATGGTTTATTATAGTTTAAATTTTTTAGGGTTAGGTGATTTTTTATTTT 3353

Qy 241 AGCTCCCGAGTAGATGGGACTACAGGCACTGCGCACCCCGGCTAAATTTTTTGTAGA 300

Dd 3354 AGTTTTTCGAGTAGATGGGATTATAGGTATTTGTTATTTATTTTAGTTAATTTTTGTAGA 3413

Qy 301 GACAAGGTTTGGCATGTTGTCCAGGCTGGTGTGAACCTCGGGCTCAAGGATCCGGC 360

Dd 3414 GATAAGGTTTGTATGTTGTTAGTTGGTTGGTTTGAATTTTTTGGGTTTAAAGGATTCGGT 3473


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Db 4552 AGGATCGTTGGGTTAGGAGTTTATAGATTGATGAGTTATGATGCGGTATTTATTTT 4611
Qy 1494 AGCGCGGTGAGACTCAGTCTCAAAAATAAAGGGGAGGGTTGGGGTAAATAATTAGTTG 1553
Db 4612 AGCGCGGTGAGATTAGTTTAAATAATAAAGGGGAGGGTTGGGGTAAATAATTAGTTG 4671
Qy 1554 TGAATCAAGTAAGACTTCTCGGAGACAAATCAAAAGGGGTGGCGCGGTCTCCAA 1613
Db 4672 TGAATTAAGTAAGATTCTTGGGATAGAAATAAATAAAGGGGTGGCGTGGGTTTTTAA 4731
Qy 1614 AGAGTACTAGCTAGCCCAAGCCCGCTCGGCCCGGAGGCGGCGGAGCTCC 1673
Db 4732 AGAGTTATTAGTTTAAAGTTTCGTTTCGGTTTTTA-GTAGCGGTGCTAGAGTTT 4790
Qy 1674 ACCCGGAGGCGCGCGGAAACTCCGCCCGCGGAGGCGGCGGCGC-CGCGCGCC 1732
Db 4791 ATTGGTAGGCGTTCGGGAAATTTCTTTTCGGTTCGGTAGGGGCGCGCTCGGTT 4850
Qy 1733 CGGCCCGTGGACGCGGTTCCGT-GGCGTTCCCGCGGAGGCAATCAATCTATCAG 1791
Db 4851 TCGTTTCGTGACGCGGTTTCGTGGCGTTTCGCGGTAGGTATTAGTAATTTATTAG 4910
Qy 1792 GGAACGGCGGTGGCGGTTCGGCGTTCGGTG--CGCTCGCGCGCTCAGCCGTGGCGG 1849
Db 4911 GGAACGGCGGTGGCTCGGTTCGGCGTTCGGTGCGGTTTTCGTTTAAAGAGTTGCGG 4970
Qy 1850 CTGGGTGAGCGCACGCGAGGCGGCGGAGGAGTGGCGGAGTCTTCCGATAAGCTCTAT 1909
Db 4971 TTGGGTGAGCGTACGCGAGGCGGCGGAGGCGTA---GCGTGTTCGTTAGGTTCGTCGCGT 5027
Qy 1910 GCTTTCGCGAGCTTTGGCGGAGCTAGGCGGAGTGGCGGAGTCTTCCGATAAGCTCTAT 1969
Db 5028 GGTTCGAGGTTTGGCGGTAGTTAGGAGGATGGCGGAGTTTCGATAAGTTTAT 5087
Qy 1970 CGAGTCGAGTAGCGCAAGCGGCGGCGCTTCGCAAGAAATGCGAGAGCATCCCC 2029
Db 5088 CGAGTCGAGTAGCTTAAGAGCGGCGCGCTTTTTCGTAAGAAATGAGCGAGATATTTT 5147
Qy 2030 AAGGACTCGCTCCGATGCGCATCATGTGCGAGGTGCGGCGCGCTGCGCGCGGG 2085
Db 5148 AAGGATTCGTTCCGATGGTTATTATGTTAGGTGCGGCGGTTTGTGCGGCGCGG 5203

RESULT 4
US-10-240-453-1
; Sequence 1, Application US/10240453
; Publication No. US20030148326A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA
; TITLE OF INVENTION: Transcription
; TITLE OF INVENTION: by Means of Assessing the Methylation Status of Genes Associated
; TITLE OF INVENTION: With DNA Transcription
; FILE REFERENCE: 5013.1009
; CURRENT APPLICATION NUMBER: US/10/240.453
; CURRENT FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: PCT/EP01/03973
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 350
; SEQ ID NO 1
; LENGTH: 10619
; TYPE: DNA
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-453-1

Query Match 58.7%; Score 1223.6; DB 15; Length 10619;
Best Local Similarity 77.2%; Pred. No. 4.3e-289;
Matches 1618; Conservative 0; Mismatches 459; Indels 19; Gaps 10;

Qy 1 TTTAGGAGATGATATAGTTGTCAACCCAGAGATGGCATGATCATGCTTTTGACTTGGTCA 60
Db 3116 TTTAGGAGATGATATAGTTGTCAACCCAGAGATGGCATGATCATGCTTTTGACTTGGTCA 3175
Qy 61 TTCTCTAAGTAAAACTTTATTTGTTCATCATATTTTCCACTTATTCGTGTACCTTCA 120
Db 3176 TTTTAAAGTAAAAATTTTATTTGTTTTATATATTTTATTTTATTTTATTTTATTTT 3235
Qy 121 AAATATCTTTTTTTTTTTTTTTTGTAGACAGGCTCACACTGTCAACCAGGCTAGATCCAG 180
Db 3236 AAATA--TTTTTTTTTTTTTTTGTAGATAGGGTTATATTTGTATTTTAGGTTTAGAGTTAG 3293
Qy 181 TGGCACTATCATGGCTCACACAGCCTCAACCTTCAGGGCTCAGGTGATCTCCACATTC 240
Db 3294 TGGTATTATATAGTTTATATAGTTTAAATTTTGTAGGTTTAGGTGATTTTATTTT 3353
Qy 241 AGCCTCCGAGTAGATGGGACTACAGGCACCTGCCACCACCCAGCTAAATTTTGTAGA 300
Db 3354 AGTTTTCGAGTAGATGGGATTAAGGTATTTGTATTTATTTTAGTTAAATTTTGTAGA 3413
Qy 301 GACAAGGTTTTGCCATGTTGCCAGGCTGGTCTTGAACCTCTGGGCTCAAGGGATCCGCG 360
Db 3414 GATAAGGTTTTGTATGTTTGTAGGTTGGTTTGAATTTTGGGTTTAAAGGATTCGCT 3473
Qy 361 CACCTCAGCCTCCCAAGTGTAGGATTTATAGGCATGAGCCACTGTGCCACCTACCTT 420
Db 3474 TATTTTAGTTTAAAGTGTAGGATTAAGTATAGTATGAGTTATTTGTAGTTATTTT 3533
Qy 421 CAACGTATCTAACTGGTTACTTAACTTTTAGGATTCGGCTATGCTCAACCTTCTTTCG 480
Db 3534 TAACGTATTTAATGGTTATTAATTTTTAGGATTCGGTTTATGTTTATTAATTTTGT 3593
Qy 481 TTACTCAACATCTTGTCTTTAAGCCACTAGTCTTCTCTATGTTTAAACACTTTTAT 540
Db 3594 TTATTTAATATTTTGTTTTAAAGTTATTTAGTTTATTTTATTTTATTTTATTTTAT 3653
Qy 541 GAGTTTATTCATCTGCTTATTTTCTTCTCTATACAGAAATGATAGTATTTTCAAT 600
Db 3654 GAGTTTATTTATTTGTTTATTTTATTTTATTTATTTAGAAATGAAATTTTATTAAT 3713
Qy 601 AAAGCACACTCATGTTCAATCTTTGAAATGAAAAAATAATGATAGGATTAGAAAAG 660
Db 3714 AAAGTATATTTATGTTATATTTTGAAT-GAAAAAATAATGATAGGATTAGAAAAG 3772
Qy 661 AAACCAATTTTAAATAACTATATTTTGAAGTATAGTCTTATTTAAACAAAGATCTAG 720
Db 3773 AAATTAATTTTAAATAATTAATTTGAAGTATAGTTTATATTAATAATAAGATTTAG 3832
Qy 721 GCCAGTGCAGTGGCTCATGCTGTAATCCAGCAATTTGGGAGTCCGAGTGGAGGAT 780
Db 3833 GTTAGGTGATGTTGTTTATGTTTGTAAATTTGGAAATTCGAGGTGGAGGAT 3892
Qy 781 TGCTTGAGGCCAGGGTTCAAGACAGCCTCGGCAACATCGAGAGATTTCCCATCTCTTT 840
Db 3893 TGTTGAGGTTAGGGTTTAAAGTATAGTTTGGTAAATGATAGGAGATTTTATTTT 3952
Qy 841 CTT-----TACACACACACACACACACACACACAAATATCTGATAGCAACAGGTGAG 894
Db 3953 TTTTATATATATATATATATATATATATATATATATATATATTTGATAGTAAAGTGTG 4012
Qy 895 TCATTACCAAAATTTTCGAGTAGTATGAGCTTAATAATTTTCGAGTTATCACCACAAAC 954
Db 4013 TTATTATTAAATTTTCGAGTAGTATGAGTTTAAATAATTTTCGAGTTTATTATTAAAT 4072
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QY 955 TGTAACTAATCAATGAAACGCTGTGATGACTATTTGCCCAAGATCAGAGTACTGCTA 1014
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Db 4073 TGTAAAGTAAATGAAACGTTTGTGATGATTTATTTTAAAGTTATAGTATTTGTA 4132
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QY 1015 ATACTCTCGTATTTGTAG-TAAATTCATATAAAGGAAATGCTAGTGTTCAGTTGGTAT 1073
|||||
Db 4133 ATATTTTGGTATTTGTAGTTAAATTTATATAAAGGAAATGTTAGGTTTGTAGTTGAT 4192
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QY 1074 TTTGTCGCGAGGCTGTGGAGCGGAGGTTAGAACGCCGCTCCAGCCAGGAGGTTGAC 1133
|||||
Db 4193 TTTGTTTCGAGCGGTTTGGACGCTAGGTTTGAACGTTTCGTTTAAAGTTAGGAGGTTGAT 4252
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QY 1134 CTAGCACTGCAAGGTCACCTCGGCCCAATCACTATATTCGAGGCGGGGCTCGGC 1193
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Db 4253 TTAGTATTTGAGGTTTATTTTCGGTTAAATTAATTAATTTTCGAGCGGGG-TTCGGT 4311
|||||
QY 1194 TTCGCGGACCCAGCTGCCCTCAGGGGAGAGGACACACTTAAGAGTTTGGGCGCGGT 1253
|||||
Db 4312 TTTTCGGATTTAGTTGTTTTCGAGGAGAGGATATATTAAGAGTTTGGGTCGGCGT 4371
|||||
QY 1254 GGTAGCTATGCCCCCTGATCCAGCACTTCGGGAGGCTGAGCGTGAAGATCACTTGTAG 1313
|||||
Db 4372 GGTAGTATATTTTGTGATTTTAGTATTTTCGGGAGGTTGAGCGGTGAAGATTTATTGTAG 4431
|||||
QY 1314 CAGGAGTTTGAGACCACTAGCCAACTTGGCGAGACCTGTCCCTAAAAAAATTTTTT 1373
|||||
Db 4432 TAGGAGTTTGAGATTAGTTTAGTTAAATTTGGGAGATTTGTTTTAAAAAAATTTTTT 4491
|||||
QY 1374 TTTAATTAGCCAGTTTGGTGAGCGCTGTAGTCCAGCTACTCGGAGGCTGAGGTGGG 1433
|||||
Db 4492 TTTAATTAGTTAGTTGTTGCTGAGCGTTTGTAGTTTATTTAGTTATTCGGGAGTTGAGTGGG 4551
|||||
QY 1434 AGGATCGCTGGCTCAGAGATTCAGACTGCACTGAGCCAGCATGATGGCGGCACTGCATCC 1493
|||||
Db 4552 AGGATCGTTGGGTTTAGAGTTTGTAGATTGTAGTGAGTTATGATGCGGTTATTGTATTTT 4611
|||||
QY 1494 AGCGCGGTGAGACTCAGTCTCAAAATAAAGGGGAGGGTTGGGGTAAAAATTTAGTTG 1553
|||||
Db 4612 AGCGCGGTGAGATTAGTTTAAAAATAAAGGGGAGGGTTGGGGTAAAAATTTAGTTG 4671
|||||
QY 1554 TGAATCAAGTAAGACTTCTGGGACAGAAATAAAGGGGTGGCGCGGTCCTCAA 1613
|||||
Db 4672 TCAAAATTAAGTAAGATTTTGGGATAGATAAATAAAGCGGTGGCGTGGGTTTTTAA 4731
|||||
QY 1614 AGAGTACTAGCTAGCCCAAGCCCCGCTCGCCCCCAGGGCAGCGCCGAGAGTCC 1673
|||||
Db 4732 AGAGTTATTTAGTTTAAAGTTTTCGTTTCGGTTTTTA-GGTAGCGGTCTGAGAGTTT 4790
|||||
QY 1674 ACCCGGAGGCGCGCGGAAACTCGCCCCCGCGCGGCGCGCGC-CCGCGCGCC 1732
|||||
Db 4791 ATTGGTAGGCGTTCCGGAAATTTGTTTTTCGGTCGGTAGGGGCGCGCTGCTCGGTT 4850
|||||
QY 1733 CCGCCCCGTGACGCGGTTCCGT-GGCGTTCCCGCGCCAGGCATCAGCAATCTATCAG 1791
|||||
Db 4851 TCGTTTCTGACGCGGTTTCGTGGCGGTTTCGCGGTAGGTATTAGTAATTTATTAG 4910
|||||
QY 1792 GGAACGCGGTGCGCGGTGCGCGGTGTTCCGTG--CGCTCTGCGCGCTCAGCCGTGGCGG 1849
|||||
Db 4911 GGAACGCGGTGCGCGGTGCGCGGTGTTTCGTGCGCGGTTTTGGTCTGTTTAAAGATTGCGG 4970
|||||
QY 1850 CTGGGTGAGCGCACGCGAGGCGGCGGAGCGGCAAGCGGTGTGTTCTAGTCTGTGCGCTCG 1909
|||||
Db 4971 TTGGGTGAGCGTACCGGAGGCGGCGAGCGGTA---GCGTGTTTTGTAGTCTGCGCGTGC 5027
|||||
QY 1910 GGTCTCGGAGCTTTGGCGGAGCTAGGGGAGGATGGCGGAGTCTTCGGATAAGCTCTAT 1969
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Db 5028 GGTCTTCGAGTTTTCGCGGTAGTTAGGGAGGATGGCGGAGTTTTCGGAATAAGTTTAT 5087
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QY 1970 CGAGTCGAGTAGCCCAAGCGGGCGCGCTCTTCGCAAGAAATGACGAGCAGAGATCCCC 2029
|||||
Db 5088 CGAGTCGAGTAGCTTTAAGAGCGGGCGCGTTTTTTTGTAAAGAAATGTAGCGAGATTTTTT 5147
|||||
QY 2030 AAGGACTCGCTCCGATGCGGCATCATGTCGAGGTGCGGCGCGCTGTGCGCGGGG 2085
|||||

Db 5148 AAGGATTCGTTCCGATGGTTATTATCGTGTAGGTGCGGGTTTCTGCGGCGGCG 5203
|||||
RESULT 5
US-10-240-589C-1
; Sequence 1, Application US/10240589C
; Publication No. US20040076956A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with
; FILE OF INVENTION: DNA repair
; FILE REFERENCE: 5013.1008
; CURRENT APPLICATION NUMBER: US/10/240,589C
; CURRENT FILING DATE: 2003-09-02
; PRIOR APPLICATION NUMBER: PCT/EP01/03972
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 148
; SEQ ID NO 1
; LENGTH: 10619
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-589C-1

Query Match 58.7%; Score 1223.6; DB 17; Length 10619;
Best Local Similarity 77.2%; Pred. No. 4.3e-289;
Matches 1618; Conservative 0; Mismatches 459; Indels 19; Gaps 10;
QY 1 TTTAGGATGATATAGTTGTCAACCCAGAGATGGCATGATCATGCTTTTCACTTGGTCA 60
|||||
Db 3116 TTTAGGATGATATAGTTGTAAATTTAGAGATGCTATGTTTTCGATTGTTTTCGATTGTTA 3175
|||||
QY 61 TTCTCTAAGTAAACTTTTATTCCTCCATCATATTTTCCACTTATTTCTGTTTACCTTCA 120
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Db 3176 TTTTAAAGTAAATTTTATTTTATTTATTTATTTATTTATTTTATTTTATTTTATTTA 3235
|||||
QY 121 AAATATCTTTTTTTTTTTTTTTTTCGAGACAGGGTCACACTGTCAACCAGGCTAGAGTCCAG 180
|||||
Db 3236 AAATA--TTTTTTTTTTTTTTTTTTCGAGATAGGTTTATTTGTTATTTAGTTAGAGTTTAG 3293
|||||
QY 181 TGGCACTATCATGGCTCACCAGCCCTCAACCTTCAGGGCTCAGGTGATCTCCCACTTC 240
|||||
Db 3294 TGGTATTATTTATGTTTATTTATTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 3353
|||||
QY 241 AGCTCCCGAGTATGCGGACTACAGGCACCTGCCACCCAGCTAAATTTTGTAGA 300
|||||
Db 3354 AGTTTTTCGAGTAGATGGGATTTAGGTTATTTGTTATTTTATTTTATTTTATTTTATTTA 3413
|||||
QY 301 GACAAGGTTTTGCCATGTTGTCAGGCTGGTCTTGAACCTCCTGGCTCAAGGATCCCGC 360
|||||
Db 3414 GATAAGGTTTGTATGTTGTTTGTAGTTGGTTTGAATTTTGGGTTTAAAGGATTCGGT 3473
|||||
QY 361 CACCTCAGCCTCCAAAGTGTAGGATTTATAGGATGAGCACCTGTGCCACGCTACCTT 420
|||||
Db 3474 TATTTTAGTTTTTAAAGTGTAGGATTTATAGGTATGATTTATGTTGTAGTTATTTTATTTT 3533
|||||
QY 421 CAACGATATCACTTGGTTACTAACTTTTAGGATTCGGCTATGCTACACACCTTCTTGC 480
|||||
Db 3534 TAACGATTTAAATTTGGTTTAAATTTTATTTTATTTTATTTTATTTTATTTTATTTTGT 3593
|||||
QY 481 TTACTCAACATCTCTCTCTTAAGCCACTAGCTTCTCTCTATGTTTAAACACTTTTTTAT 540
|||||

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Db 3594 TTAATTAATAATTTTGGTTTAAAGTTATAGTTTATTTTATGTTAAATATTTTAT 3653
Qy 541 GAGTTTATTCATCTGCTTATTTTCTTATCTCTATACAGAAATTTGAATATTTTCAAA 600
Db 3654 GAGTTTATTTATTTGTTTATTTTATTTTATTTTATTTATAGAAATTTTAAAT 3713
Qy 601 AAAGCACACTCATGTTACAATCTTTGAAATGGAAAAAATGATAGGATTAGAAAG 660
Db 3714 AAAGTATATTTATGTTATAATTTTGAAT- GAAAAAATAATGATAGGATTAGAAAG 3772
Qy 661 AAACCAATTTAATAAATATATTTTGAAGTATAGTTCTATATTAACAACAAGATCTAG 720
Db 3773 AAAATTAATTTAATAAATATATTTTGAAGTATAGTTTATATTAATAATAAGATTAG 3832
Qy 721 GCCAGGTGAGTGGCTCATGCTGTAATCCAGCAATTTTGGGAAGTCGAGGTGGAGGAT 780
Db 3833 GTTAGGTGAGTGGTTATGTTTGAATTTTGAATTTTGGGAAGTCGAGGTGGAGGAT 3892
Qy 781 TGCTTGAGGCGAGGGTTCAAGACGAGCTGGGCAACATGAGAGATTCCCATCTCTTT 840
Db 3893 TGTTGAGGTTAGGGGTTTAAAGATTAGTTTGGGTAATATGAGAGATTTTTATTTTTT 3952
Qy 841 CTT-----TACACACACACACACACACACACAAATATCTGATAGCAAGTGCAG 894
Db 3953 TTTTATATATATATATATATATATATATATATATATATATATTTTGTATAGTAGGTGTG 4012
Qy 895 TCATTACCAAAATTCGAGTAGTAGTATGAGTTAATAATATTTTCAGATTATCACCACAA 954
Db 4013 TTAATTAATAATTCGAGTAGTAGTATGAGTTAATAATATTTTCGAGTTATTAATAAT 4072
Qy 955 TGTAACCTAACATGAAACGCTGTGATGACTATTGCCCAAAAGTCACAGTACTGCTA 1014
Db 4073 TGTAAGTAATATGAATAAGTTTGTGATGATTATTTTATAAGTTATAGTATTGTTA 4132
Qy 1015 ATACTCTGGTATTTGTAG- TAAATTCATATAAAGGAATGCTAGTTTTCAGTTGGTAT 1073
Db 4133 ATATTTTGGTATTTGTAGTTAAATTTTAAATTTAATAAAGGAATGTTAGTTTGTG 4192
Qy 1074 TTTGTCGAGCGTCTGAGCGGAGGTTAGAGCCGCTCCAGCCAGGAGGAGGAGGAGG 1133
Db 4193 TTTGTTTCGAGCGTTTGGAGCGGTAGGTAGAGCTTCGTTTAAAGTTAGGAGGTTGAT 4252
Qy 1134 CTAGCACTGCAAGGTTCACTCGGCCCAATCAACTATATTCGAGCGGGGGCTCGGC 1193
Db 4253 TTAGTATTGTAGGTTTATTTCCGGTTAATTAATTAATTTTCGAGCGGGGG- TTGGT 4311
Qy 1194 TTCCCGGAGCCAGCTGCCCTCAGGGGAGAGGACACACTTAAGAGTTTGGGGCGGGT 1253
Db 4312 TTTTCGGAATTTAGTTGTTTATTTAGGGGAGAGGATATATTTAAGAGTTTGGGGTGG 4371
Qy 1254 GGTAGCTCATCCCTGATCCAGCACTTCGGGAGGCTGAGGCGTGAAGATCACTTGTAG 1313
Db 4372 GGTAGTATATGTTTGTATTTTAGTTATTTCCGGAGGTTGAGCGGTGAAGATTATTG 4431
Qy 1314 CAGGAGTTTGAGACAGTCTAGCAACTTGGCGAGACCCCTGCTCCCTAAAAAATTTTTT 1373
Db 4432 TAGGATTTGAGATTAGTTAGTTAATTTGGGAGATTTCGTTTAAAAAATTTTTT 4491
Qy 1374 TTTAATTAGCCAGTTGCGTGAGCGCTGTATGTCACGTACTCGGAGGCTGAGGTGGG 1433
Db 4492 TTTAATTAGTTAGTTGCGTGAGCGTTTGTAGTTTGTAGTTTTCGGAGGTTGAGGTGG 4551
Qy 1434 AGGATCGCTGGCTCAGGAGTTCAGACTGCAAGTCAGCCATGAGCGGCACTGCATCC 1493
Db 4552 AGGATCGTTGGGTTAGGAGTTTATAGATTGTAGTTAGTTATGATGGCGGTATTGTTT 4611
Qy 1494 AGCGCGGTGAGACTCAGTCTCAAAAATAAAGGGGAGGCGGTGGGGGTAAAAATTAGTTG 1553
Db 4612 AGCGCGGTGAGATTAGTTTAAAAATAAAGGGGAGGCGGTGGGGGTAAAAATTAGTTG 4671
Qy 1554 TGAATCAAGTAAAGTCTTCTGGGACAGAAATCAAAAGGGGTGGCGCGGCTCCTCAA 1613
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Db 4672 TGAATTAAGTAAGATTTTTTGGGATAGAATAAATTAAGGGGTGGCGTGGGTTTAA 4731
Qy 1614 AGAGTACTAGCTAGCCAAAGCCCGCTCGGCCCCAGAGGCGAGCGCGCAGAGCTCC 1673
Db 4732 AGAGTTATAGTTTATAGTTTTCGTTTCGTTTTTA- GGTAGCGGTCTAGAGTTT 4790
Qy 1674 ACCCGGAGGCGCCCGGAAATCTCCGCCCCCGGCGGAGGCGCGGC- CCGCGGCG 1732
Db 4791 ATTTCGTAGCGGTTTCGGGAAATTTTCGTTTTTCGTCGGTAGGGGCGCGCTCGTGGTT 4850
Qy 1733 CGGCCCGGTGACGCGGCTTCGCT- GCGGTTCCCGGCCAGGCATCAAGATCTATCAG 1791
Db 4851 TCGTTTCGTGACGCGGTTTCGTGGCGGTTTCGCGGTAGGTATTAGTAATTTATAG 4910
Qy 1792 GGAACGCGCGTGGCGGCTGCGCGTTCGTTGCGTG- -CGCTCTGGCGCTCAGCCGTGGCG 1849
Db 4911 GGAACGCGGTTGCTGCGTTCGCGCTGTTTCGTTGGCGGTTTGGTCTTTAAAGTTGCGG 4970
Qy 1850 CTGGGTGAGCGCACGCGAGGCGGAGCGCGCAACGCTGTGTTCTAGTCTGTGGCTCG 1909
Db 4971 TTGGGTGAGCGTACGCGAGGCGGCGAGCGGTA- -GCGTGTTTTGTAGTCTGTGGCTCG 5027
Qy 1910 GGCTTCGCGAGCTTTGGCGGCGAGCTAGGGGAGGATGCGGAGTCTTCGATTAAGCTCTAT 1969
Db 5028 GGTTCGCGAGTTTTCGCGGTAGTTTAGGGAGGATGGCGGAGTTTCGATTAAGTTTAT 5087
Qy 1970 CGAGTCGAGTACGCGCAAGCGGCGCGCTCTTCGAAAGAAATGCGAGAGCATCCCC 2029
Db 5088 CGAGTCGAGTACGTTAAGAGCGGCGCGCTTTTGTGAAGAAATGATAGCGAGATTTTT 5147
Qy 2030 AAGCACTCGCTCCGATGGCCATCATGTTGCAAGTTCGCGGCGGCTGTGCGCGGGG 2085
Db 5148 AAGATTCTGTTTCGATGTTTATATGTTAGTTAGTGGCGGTTTTTGTGCGGCGCGG 5203
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RESULT 6

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US-10-239-676-2/c
; Sequence 2, Application US/10239676
; Publication No. US20030082609A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with Gene Regulation
; FILE REFERENCE: 5013.1003
; CURRENT APPLICATION NUMBER: US/10/239,676
; CURRENT FILING DATE: 2002-09-24
; PRIOR APPLICATION NUMBER: PCT/EP01/03968
; DE 10019058.8
; DE 10019173.8
; DE 10032529.7
; DE 10043826.1
; PRIOR FILING DATE: 2001-04-06
; 2000-04-06
; 2000-04-07
; 2000-06-30
; 2000-09-01
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 2
; LENGTH: 10619
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-239-676-2
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Query Match 57.7%; Score 1203.2; DB 14; Length 10619;
Best Local Similarity 76.8%; Pred. No. 4.4e-284;
Matches 1600; Conservative 0; Mismatches 463; Indels 19; Gaps 10;

Qy 1 TTTAGGATGATATAGTTGTCAACCCAGAGATGGCATGATCATGCTTTTCACTTTGGTCA 60
Db 7504 TTTAAAAATAATAAATATATCAACCCAAAAATAACATAATCATACCTTTTAACATCA 7445
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QY 61 TTCTCTAAGTAAACCTTTTATTTGTTCCATCATATTTTCCACTTATTTCTGTTTACCTTCA 120
Db 7444 TTCTCTAATAAATCTTTTATTTATTTCCATCATATTTTCCACTTATTTCTATTTACCTTCA 7385
QY 121 AAATATCTTTTTTTTTTTTTTTGAGACAGGCTCACTGTCCACCGCTAGAGTCCAG 180
Db 7384 AAATATC--TTTTTTTTTTTTTAAACCAAAATCACACTATCACCCCAAATAAAATCCAA 7327
QY 181 TGGCACTATATGGCTACACAGGCTCAACCTTCAGGGCTCAGGTGATCTCTCCACTTC 240
Db 7326 TAACACTATATCACTACCAACCTCAACCTTCAAACTCAAAATCAATATCTCTCCACCTC 7267
QY 241 AGCTCCGAGTGTAGTGGACTACAGGCACTGCCACCAACCCCAAGCTAAATTTTGTAGA 300
Db 7266 AACCTCCGATTAATAAACAACAACCTACCAACCAACCCCAACTAAATTTTATDAAA 7207
QY 301 GACAAGGTTTTGCCATGTTGCCAGGCTGGTCTTGAACCTCTGGGCTCAAGGATCCGGC 360
Db 7206 AACAAAATTTTACCATAATTATCCAACTAACTTTAAACTCTTAACTCAAAAATCCGAC 7147
QY 361 CACCTCAGCTCCCAAGTGTAGGATTAAGGCAATGAGCACTGTGCCGACCTACCTT 420
Db 7146 CACCTCAACCTCCCAAAATACATAAATTAACAATAAACCACTATACCCCAACCTACCTT 7087
QY 421 CAAGTATCTAAGTGTACTAACTTTTAGGATTCGGCTATGCTCAACAACCTTCTTGC 480
Db 7086 CAAGTATCTAAGTGTACTAACTTTTAGGATTCGGCTATGCTCAACAACCTTCTTAC 7027
QY 481 TTACTCAACATCTTGTCTCTTAAGCCACTAGCTTCTTCTCTATGGTTTAACACTTTTTAT 540
Db 7026 TTACTCAACATCTTGTCTCTTAAGCCACTAGCTTCTTCTCTATGGTTTAACACTTTTTAT 6967
QY 541 GAGTTTATCATCTGCTTATTTTCTTATCTCTATACAGAAATGAAATTTTCAAT 600
Db 6966 AAATTTATTCATCTACTTATTTTCTTATCTCTATACCAAAATTAATATTTTCAAT 6907
QY 601 AAAGCACACTCATGTTCAACTTTTGAATCGAATAAATAAATGATAGGATTAAGAAG 660
Db 6906 AAACACACTCATATTCACATCTTTAAAT--AAAAAATAAATACATAAATTAATAA 6848
QY 661 AAACCAATTTTAAATAAATAATTTTGAAGTATAGTTCTATATTAACAACAAGATCTAG 720
Db 6847 AAACCAATTTTAAATAAATAATTTTGAAGTATAGTTCTATATTAACAACAAGATCTAA 6788
QY 721 GCGAGTGCAGTGGCTCATGCTGTATCCAGCAATTTGGGAAGTCAGGTGGAGGAT 780
Db 6787 ACCAATAACAATACTCATACCTATAATCCCAACAATTTAAAAAATCGAAAAATAA 6728
QY 781 TGCTTGAGCCGAGGTTTCAAGACAGCTCGGCAACATGGAGATTTCCCATCTCTTT 840
Db 6727 TACTTAAACCAAAATTTCAAAACCAACTTAACACATAAATAAATAAATTTCCCATCTCTT 6668
QY 841 CTTT-----AC 894
Db 6667 CTTTAC 6608
QY 895 TCATTAACAATTTGAGTGTAGTGTATTAATATTTTGGATTTATCACCAACAC 954
Db 6607 TCATTAACAATTTGGAATAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 6548
QY 955 TGTAACCTTAACATGAACGCTGTGATGACTATTGCCCCCAAAAGTCACAGTACTGCTA 1014
Db 6547 TATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 6488
QY 1015 ATACTCTGGTATTTGTAGT-AAATTCATAATAAAGGAAATGCTAGGTTTCAGTTGGTAT 1073
Db 6487 ATACTCTTAATTTATTAATCAATTTCAATTAATAAATAAATAAATAAATAAATAAATAA 6428
QY 1074 TTTGTCCGAGGCTGTGGACGGGAGGTTAGACGCCGCTCCAGCCAGGAGGAGGAGG 1133
Db 6427 TTTATCCGAGGATCTATAAACAAGCAAAATTAACAGCCGCTCCAAACCAAAATAAACA 6368

QY 1134 CTAGCACTGCGAGGTCCTACCTCGGCGCAATCAACTATATTTCCGAGGGGGGCGCTCGC 1193
Db 6367 CTAACACTACAAATCCACCTCGAACCAATCAACTATATTTCCGAAACGAAACCG-AC 6309
QY 1194 TTCGCGAACCCAGCTGCGCTCAGGGGAGAGGACACACTTAAGAGTTTGGGGCGGGGT 1253
Db 6308 TTCGCGAACCCAGCTGCGCTCAGGGGAGAGGACACACTTAAGAGTTTGGGGCGGGGT 6249
QY 1254 GGTAGCTCATGCGCTGATCCAGCACTTCGGGGGCTGAGGCGTGAAGATCACTTTAG 1313
Db 6248 AATAACATATACCCCTAATCCCAACACTTCGAAACCTAAACGTAATAATCACTTATA 6189
QY 1314 CAGAGATTTGAGACAGCTAGCCAACTTTGGCGAGACCTGTCCCTAAAAAATTTTTT 1373
Db 6188 CAAAAATTTAAACCAATCTAACCACTTAACGAAACCTATCCCTAAAAAATTTTTT 6129
QY 1374 TTTAATAGCAGTTGGTGAGCGCTGTAGTCCAGCTACTCGGGAGGCTGAGGTGG 1433
Db 6128 TTTAATTAACCAATTAATAAAGCCCTATATCCCACTACTCGAAACCTTAAATAA 6069
QY 1434 AGGATCGCTGGCTCAGAGTTCCAGACTGCACTGAGCCATGATGCGGCACTGCACCTC 1493
Db 6068 AAAATCGCTAAACTCAAAATTTCCAACTACAATAAACATAAATACGACACTCACCTC 6009
QY 1494 AGCGCGTGAGACTCAGTCTCAAAATAAAGGGGGGTTGGGGTAAAAATTTAGTTG 1553
Db 6008 AACGGATAAACTCAATCTCAAAATAAATAAATAAATAAATAAATAAATAAATAA 5949
QY 1554 TGAATCAAGTAAAGTCTTGGGACAGAACTAAAGGGGTGGCGGGTCTCTCAA 1613
Db 5948 TAAATCAATAAATACTTCTTAAACCAAACTAAACCAAAATAAAGCGGAACTCTCCAA 5889
QY 1614 AGAGTACTAGCTCAGCCCAAGCCCGCTCGGCCCCCGGCGGCGGCGGCGGCTCC 1673
Db 5888 AAAACTACTAACTCAACCAAAACCCGCTCGACCCCA--AACACGACCGCAAACTCC 5830
QY 1674 ACCGCGAGGCGCGCGGAACTCGCCCCCGGCGGCGGCGGCGGCGGCGGCGG 1732
Db 5829 ACCGCAACAACCGCGGAAACTCGGCCCCCGGACCGCAAAACGCGCGCGCGGAC 5770
QY 1733 CCGCCCCGTGACGCGGGTTCGGT--GGCGTTCCGCGGCGGCGGCGGCGGCGGCGG 1791
Db 5769 CCGCCCCGTGAAACGCAATTCGTAACGTTCCGCGGCAAACTCAACAACTATCA 5710
QY 1792 GGAAGGCGGTGGCGGTGGCGGTGTCGT--GGCGTCTGGCGGCTCAGCGGCGG 1849
Db 5709 AAAACGAGTAACCGATACGATTCGATTAAGACTCTAAACGCTCAAAACCTACGA 5650
QY 1850 CTGGGTGAGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1909
Db 5649 CTAATAACGCGCGGAAACGACGAAACGACAA--CGTATTTCTAATCGTAACGTCG 5593
QY 1910 GGCTTCGAGCTTTGGCGGCGGCTAGGGGAGATGGCGGAGTTCGGAATAAGTCTAT 1969
Db 5592 AACTTCGAAACTTTAACGCAACTAAAAAATAAAGGAAATTCGAAATAAATCTAT 5533
QY 1970 CGAGTCGAGTACGCAAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 2029
Db 5532 CGAATCGAATACGCAAAACGAAACGCGGCTCTTACAAAAATAACAGAAACATCCCC 5473
QY 2030 AAGACTCGCTCCGATGCGCATCATGTCGAGGTCGCGGCG 2071
Db 5472 AAAAATCGCTCCGATTAACCATCATATAAATACGAAC 5431

RESULT 7

US-10-311-455-44/c
; Sequence 44, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt

; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determining the State of Cytosine Methylation
; FILE OF INVENTION: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311.455
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 44
; LENGTH: 10619
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-44

Query Match 57.7%; Score 1203.2; DB 15; Length 10619;
Best Local Similarity 76.8%; Pred. No. 4.4e-284;
Matches 1600; Conservative 0; Mismatches 463; Indels 19; Gaps 10;

QY 1 TTTAGGATGATATAGTTGTCACCCAGAGATGGCATGATGCTTTTGACTTTGGTCA 60
DB 7504 TTTAAAAATAATATATATCAACCCAAAAATAACATAATCATACCTTTTAACTTAATCA 7445

QY 61 TTCCTAGTAAACTTTTATTTGTTCCATCATATTTTCCACTTATTCGTTTACCTTCA 120
DB 7444 TTCCTAAATAAACTTTTATTTTCCATCATATTTTCCACTTATTCGTTTACCTTCA 7385

QY 121 AAATATCTTTTTTTTTTTTGAGACAGGGTCACACTGTCCACCCAGGCTAGAGTCCAG 180
DB 7384 AAATATC--TTTTTTTTTTTAAACAAATACATATCATACCCAACTAAATCCAA 7327

QY 181 TGGCATATCATGGCTACACAGCCTCAACCTTCAGGGCTCAGGTGATCTCCCACTTC 240
DB 7326 TAACACTATCACTTACACCAACCTCAACCTTCAAACTCAAAATAATCTCCACCTC 7267

QY 241 AGCTCCCGATGATGGGCTAGGACCTGACGACCTGACCCACCCAGCTAAATTTGTAGA 300
DB 7266 AACCTCCCGAATAATAAACTTACAAACCTTACCAACCCACCCCACTAAATTTTATAA 7207

QY 301 GACAAAGTTTGGCCATGTTGTCAGGCTGGTCTTCAACTCTCGGGCTCAAGGATCCGCG 360
DB 7206 AACAAATTTTACCATATATTCAAACTAATCTTAACTCTTAACTCAAAATATCCAG 7147

QY 361 CACCTCAGCCTCCCAAGTGTAGGATATAGGCATAGCCACTGTGCCAGCCTACCTT 420
DB 7146 CACCTCAACCTCCCAAAATACTAAAATTTATAACATAAACCACTATACCAAGCTACCTT 7087

QY 421 CAACGATCTAACTGGTACTAACTTTTAGGATTCGGGCTATGCTCAACCTTCTTGC 480
DB 7086 CAACGATCTAACTAACTAACTTTTAAATTCGACCTATATCTCAACCTTCTTAC 7027

QY 481 TTACTCAACATCTTGTCTTTAAGCCACTAGTCTTCTCTATGGTTAACTTTTAT 540
DB 7026 TTACTCAACATCTTATCTTTAAGCCACTAACTTCTTCTTATTAATTAACACTTTTAT 6967

QY 541 GAGTTTATTCATCTGCTTATTTTCTTATCTCTATACAGAAATGAATATTTTCAAT 600
DB 6966 AAATTTTATTCATCTACTTATTTTCTTATCTCTATACCAAAATTTAAATATTTTCAAT 6907

QY 601 AAAGCACATCATGTTACATCTTTGAAATGGAAAAAATAATGATAGGATAGAAAAAG 660
DB 6906 AAAACACACTCATATTAACAATCTTTTAAAT-AAAAAATAAATATATAAATAAATAA 6848

QY 661 AAACCAATTTTAACTATATTTTGAAGTATAGTCTTATATTAACAAACAGATCTAG 720
DB 6847 AAACCAATTTTAACTATATTTTAAATATAATTTCTATATTAACAAACAAATCTAA 6789

QY 721 GCCAGGTGAGTGGCTCATGCTGTAATCCCAGCAATTTGGGAAGTCGAGGTGGAGGAT 780

DB 6787 ACCAAATACAATAATCTCATCTATAATCCCAACAATTTAAAAATCGAAATAAAAAAT 6728
QY 781 TGTCTTGGCCAGGGTTCAGAGCCAGCTGGGAAATGAGAGATTTCCCATCTCTTT 840
DB 6727 TACTTAAACCAAAATTTCAAAACCAACTTAAACCAATATAAATAAATTTCCCATCTCTTT 6668
QY 841 CTTT-----AC 894
DB 6667 CTTTAC 6608
QY 895 TCATTACACAAATTTTCAGTAGTAGTGTATTAATATTTTCGAGTTATCACCACACAC 954
DB 6607 TCATTACCAAAATTTTCGAATAATAATAAACTTAAATATTTTCGAATTTATCCCAACAC 6548
QY 955 TGTAACTTAACATGAAACAGTCTGTGATGACTATTGCCCACAAAGCTCACAGGTACTGCTA 1014
DB 6547 TATAAATAACATAAATAAACGCTATATAACTATTACCACAAATACAAATATCTACTA 6488
QY 1015 ATACTCTCTGTTTGTAGT-AAATTCATAATAAAGAAATGCTAGTTTTCAGTTGGTAT 1073
DB 6487 ATACTCTCTTATTTATAATCAAAATTTCAATAAAAAAATACTAAATTTTCAATTAAT 6428
QY 1074 TTTGTCGCGAGGCTGTGGAGCGGAGGTTAGAACGCGCTCCAAGCCAGGAGGTGGAC 1133
DB 6427 TTTATCCGACGATCTATAAAGCAAAATTAAGCGCGCTCCAAACCAAAATAAATAAAC 6368
QY 1134 CTAGCACTGCAAGGTCACCTCGGCGCAATCAACTATATTTCCCGAGGGGGGCGCTCGCG 1193
DB 6367 CTAACTACAAATTCACCTCGAACCAATCACTATATTTCCGAAACGAAACCCG-AC 6309
QY 1194 TTCCGGAACCCAGCTGCGCTCAGGGGAGAGGACACACTTAAAGAGTTTGGGGCGGGCT 1253
DB 6308 TTCCGAAACCCAACTACCTCAAAAAAATAAATAAATAAATAAATAAATAAATAAATAA 6249
QY 1254 GGTAGCTATGCTGCTGATCCAGGACTTTCGGAGGCTGAGGCGTGAAGTCACTTTGAG 1313
DB 6248 AATAACACATACCTTATCCCAACACTTTCGAAACCTTAAATAAATAAATAAATAAATAA 6189
QY 1314 CAGAGATTTGAGACAGTCTAGCCAACTTTCGCGAGCCCTGTCCCTTAAATAAATAAATAA 1373
DB 6188 CAAAAATTTAAACCAATCTAACCAACTTAAAGAACCTTATCCCTTAAATAAATAAATAA 6129
QY 1374 TTTAATAGCCAGTTGTGTGAGCGCTGTAGTCCAGCTACTCGGGAGGCTGAGGTGGG 1433
DB 6128 TTTAATTAACCAATTTATAATAAAGCCTTAAATCCCACTACTCGAAATAAATAAATAA 6069
QY 1434 AGGATCGCTGGGCTCAGAGTTCCAGACTGCGAGTGGCCATGATGGCGGCACTGCACTCC 1493
DB 6068 AAAATCGCTAAACTCAAAAAATTTCCAAACTTACAATAAACCATAATAACGACACTACCTC 6009
QY 1494 AGCGGCTGAGACTCAGTCTCAAAAAATAAAGGGGAGGGGTTGGGGTAAATAATAGTTG 1553
DB 6008 AACCGATATAAACTCAATCTCAAAAAATAAAGGGGAGGGGTTGGGGTAAATAATTAATTA 5949
QY 1554 TGAATCAAGTAAAGACTTCTCGGACAGAACTCAAAAGGGGTTGGCGGCTCTCCAA 1613
DB 5948 TAAATCAATTAATACTTCTTAAACAAACAACTCAAAATAAATAAATAAATAAATAAATAA 5889
QY 1614 AGAGTACTAGCTCAGCCCAAGCCCGCTGCGCCCCCAGGGCAGGGCGGCGAGAGTCC 1673
DB 5888 AAAACTACTAACTCAACCAAAACCCCGCTCGACCCCA- AACACGACGCGCAAACTCC 5830
QY 1674 ACCGGCAGGCGCGGGAATACTCGCCCCCGGCGCGGCGCGCGCG- CCGCGCGCG 1732
DB 5829 ACCGACAAACCGCCGAAAAAATCTCGCCCCCGGACCGGACAAAAAAGCGCGCGCGGAC 5770
QY 1733 CCGCCCCGTGACGCGGGTTCGGT-GGCTTCCCGCGCGGAGGATCAGCAATCTATCAG 1791
DB 5769 CCGCCCCGTAAACGGAATTCGGTAAACGTTCCCGGACCAACATCAACAATCTATCAA 5710
QY 1792 GGAAACGCGGTCGCGGTCGCGGTCGGT--GCGCTCTGGCGGCTCAGCCGTGGCGG 1849

Db 5709 AAAACGACGATTAACCGATACGACGATGATTCGATTAACGACCTTAAACCGCTCAAAAACTACGA 5650
Qy 1850 CTGGGTGAGCGCACCGAGCGGCGGCGGCAAGCGTGTGTTCTAGGTCTGCGCGTCG 1909
Db 5649 CTAATAAAGCGACGCGAAACGACGAAACGACAA--CGTATTTCTAAATCGTAACGTCG 5593
Qy 1910 GCGTTCCGGAGCTTTGGCGGAGCTAGGGGAGGATGGCGGAGTCTTTCGGATAAGCTCTAT 1969
Db 5592 AACTTCCGAACTTTAAACGACACTTAAAAAAAATAACGAAATCTTTCGAATAAACTCTAT 5533
Qy 1970 CGAGTCGAGTACGCAAGAGCGGCGCGCTCTTCGAAGAAATGACGAGAGCATCCCC 2029
Db 5532 CGAATCGAATACGCGCAAAACGAAACGCGCTCTTACAAAAAATAACAACGAAACATCCCC 5473
Qy 2030 AAGGACTCGCTCCGATGGCCATCATGTGCGAGGTGCGGGCC 2071
Db 5472 AAAAATCGCTCCGAAATAACCATCATATAACAAATACGAACC 5431

RESULT 8
US-10-240-453-2/c
; Sequence 2, Application US/10240453
; Publication No. US20030148326A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA
; TITLE OF INVENTION: Transcription
; TITLE OF INVENTION: by Means of Assessing the Methylation Status of Genes Associated
; TITLE OF INVENTION: With DNA Transcription
; FILE REFERENCE: 5013.1009
; CURRENT APPLICATION NUMBER: US/10/240,453
; CURRENT FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: PCT/EP01/03973
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 350
; SEQ ID NO 2
; LENGTH: 10619
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-453-2

Query Match 57.7%; Score 1203.2; DB 15; Length 10619;
Best Local Similarity 76.8%; Pred. No. 4.4e-284;
Matches 1600; Conservative 0; Mismatches 463; Indels 19; Gaps 10;

Qy 1 TTTAGGATGATATAGTTGTCACCCAGATGGCATGATCATGCTTTTGACTTTGGTCA 60
Db 7504 TTTAAAAATAATATATATCAACCCAAAAATAACATAATCATACCTTTTAACTTAATCA 7445
Qy 61 TTCTCTAAGTAAACCTTTTATTTGTCATCATATTTTCCACTTATTTCTGTTTACCTTCA 120
Db 7444 TTCTCTAATAAATCTTTTATTTTCCATCATATTTTCCACTTATTTCTTATTTACCTTCA 7385
Qy 121 AAATATCTTTTTTTTTTTTTTTTGACACAGGTCACACTGTCCACCCAGGCTAGAGTCCAG 180
Db 7384 AAATATC--TTTTTTTTTTTTTAAACAAAAATCACACTATCACCCCAAACTAAATCCAA 7327
Qy 181 TGGCACTATCGGTTCACACAGCTCAACCTTCAGGGCTCAGGTGATCTCTCCACATTC 240
Db 7326 TAAACATATCACTCACTCAACCTCAACCTTCAAACTCAAAATAATCTCTCCACCTC 7267

Qy 241 AGCTCCCGAGTAGATGGGACTACAGGCACCTGCGCACCAACCCAGCTAAATTTTTGTAGA 300
Db 7266 AACCTCCCGAATAAATAAATACTACAAACCTACACACACCCCACTAAATTTTTATATA 7207
Qy 301 GACAAAGGTTTTGCCATGTTGCCAGGCTGGTCTTGAACCTCTGGGCTCAAGGATCCGGC 360
Db 7206 AACAAAATTTTACCATAATATCCAAACTAACTTAAACTCTCTAAACTCAAAAAATCCGAC 7147
Qy 361 CACCTCAGCTCCCAAGTGTAGGATATAGGCATGAGCCACTGTGCGCCGCTACCTT 420
Db 7146 CACCTCAACCTCCCAAAATACTAAATTTATAACATAAACCACTATACCCACCTACCTT 7087
Qy 421 CAACGTATCTAACTGTTTACTAACTTTTGAATTCGGCTATGTCTCAACACTTCTTTCG 480
Db 7086 CAACGTATCTAACTTAACTTAACTTTTAAATTCGACTATATCTCAACCTTCTTAC 7027
Qy 481 TTACTCAAATCTCTCTCTTAAAGCCACTAGCTTCTCTCTATGTTTAAACATTTTTTAT 540
Db 7026 TTACTCAAATCTCTCTCTTAAACCACTAACTTCTCTCTATATTAATTAACACTTTTAT 6967
Qy 541 GAGTTTATCTATCTGCTTATTTTCTTATCTCTATACCAAGATTTGAATTTTCAAT 600
Db 6966 AAATTTTATCTATCTTATTTTCTTATCTCTATACCAAAATTTAAATATTTTCAAT 6907
Qy 601 AAAGCACACTCATGTTCAAACTCTTTGAAATGAAAAAATAATGCATAGGATTAGAAAG 660
Db 6906 AAACACACTCATATTACATCTTTAAAT--AAAAAATAAATACTATAAATAAATAA 6848
Qy 661 AAACCAATTTTAAATACTATATTTTGAAGTATAGTTCTATATTAACAAAGATCTAG 720
Db 6847 AAACCAATTTTAAATACTATATTTTAAATATATATCTATATTAACAAACAAATCTAA 6788
Qy 721 GCCAGTCCAGTGGCTCATGCTGTAATCCAGCAATTTTGGAGTCCAGGTGGGAGGT 780
Db 6787 ACCAAATACAATAACTCATCTATATATCCCAACAAATTTAAAAAATCGAAAAAT 6728
Qy 781 TGCTTGAGCCAGGGGTTCAAGACGAGCTGGGCAACATGAGAGATTTCCCATCTCTTT 840
Db 6727 TACTTAAACCAAAATTTCAAAACCACTAAACAACATAAAAAATTTCCCATCTCTTT 6668
Qy 841 CTTT-----ACACACACACACACACACACACACACACACACACAGTGCGAG 894
Db 6667 CTTTACAAATACTA 6608
Qy 895 TCATTACCACAATTTCCGAGTAGTATGATGATTAATAATTTTCGAGTTATCCACCAAC 954
Db 6607 TCATTACCACAATTTTCGAAATAATAAATAATTTTCGAAATTTATCAACCAAC 6548
Qy 955 TGTAACTTAACATGAAAACTCTGTGATGACTATTGCCCCACAAAGTCACAGGTACTGCTA 1014
Db 6547 TATAAATAACATAAATAAAGCTCTATAATACTATTACCAACAAATCAAAATACTACTA 6488
Qy 1015 ATACTCTGTTATTTGTAGT--AAATTCATAATAAAGAAATGCTAGGTTTCAGTTGGTAT 1073
Db 6487 ATACTCTTAATTTATTAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 6428
Qy 1074 TTTGTCCGAGGCTCTGGAGCGGAGTTAGACCGCCGCTCCAGCCAGGAGGTTGAC 1133
Db 6427 TTTATCCGAGGCTCTATAAAGCAAAATTTAAAGCGCCGCTCCAAACCAAAAAATAAC 6368
Qy 1134 CTAGCACTGCGAGGTCACCTCGGCGCAATCAACTATATTCCCGAGGGGGGCTGCGC 1193
Db 6367 CTAACACTAGAAATCCACCTCGAACCCTAATACTATATTCCCGAAGCAAAACCG-AC 6309
Qy 1194 TTCGCGGACCGAGCTGCGCTCAGGGGAGAGGACACACTTAAGATTTGGGGCGCGGCT 1253
Db 6308 TTCGGAACCCCACTACCTCTCAAAAAAATAAATAAATAAATAAATAAATAAATAAATAA 6249
Qy 1254 GGTAGCTCATGCGCTGATCCAGCACTTCGGAGGCTGAGCGGTGAGAGTACACTTTAG 1313
Db 6248 AATAACACATACCTTAATCCCAACACTTCGAAAAAATAAATAAATAAATAAATAAATAA 6189
Qy 1314 CAGGAGTTTGAGACCGAGCTAGCCAACTTTGGCGAGACCTCTGCTCTAAAAAATTTTTTT 1373

Db 6188 CAAAATTAAACCAATCTAACCAACTTAACGAAACCCCTATCCCTTAAACCAATTTT 6129
Qy 1374 TTTAATTAGCCAGTTGTGTGAGCGCCCTGTAGTCCAGCTACTCGGGAGGCTGAGGTGG 1433
Db 6128 TTTAATTAAACCAATTATAAAGCGCTATATCCCACTACTCGAATAACTTAAATAA 6069
Qy 1434 AGGATCGTGGCTCAGAGTTCCAGACTGAGTGCAGCATGATGGGCGACTGCACCTCC 1493
Db 6068 AAAATCGCTAAACTCAAAAATTTCCAACTTACAAATAAACCATAATAACGACACTACCTCC 6009
Qy 1494 AGCGGCTGAGACTCAGTCTCAAAATAAAGGGGGGGTGGGGTAAATTTAGTTG 1553
Db 6008 AACGCGATAAACTCAATCTCAAAAATAAATAAATAAATAAATAAATAAATAAATAA 5949
Qy 1554 TCAAAATCAAGTAAGACTTCTCGGAGCAGAAACAAATCAAGGGGTGGCGGGTCTCCAA 1613
Db 5948 TAAATCAATTAATAACTTCTTAACAAACAAACAAATCAAAATAAAGCGGATCTCCAA 5889
Qy 1614 AGAGTACTAGCTCAGCCCAAGCCCGCTCGGCCCCCGAGGCGAGCGCGAGCTCC 1673
Db 5888 AAAACTACTAACTCAACCAACCCCGCTCGACCCCA - AACAAACGACCGCAAACTCC 5830
Qy 1674 ACCCGGAGGCGCCCGGAAACTCGCCCGCCCGGCGGAGGCGCGCGC - CGCGCGGC 1732
Db 5829 ACCCGACAAACGCGGAAACTCGCCCGCCCGGCGGAGGCGGCGGCGCGGCGGCGG 5770
Qy 1733 CGCCCGCTGAGCGGGGTTCGGT - GCGTTCGCCGCGGCGGCGGCGGCGGCGGCGGCGG 1791
Db 5769 CGCCCGCTGAGCGGAATTCGGTAAAGTTCGCCGCGGCGGCGGCGGCGGCGGCGGCGG 5710
Qy 1792 GGAACGCGGCTGGCGGCTGGCGGTTCGGT - GCGTTCGCCGCGGCGGCGGCGGCGGCGG 1849
Db 5709 AAAACGAGATAACCGATAGAGGTATTCGATAACGACTCTAAACCGCTCAAAACCTACGA 5650
Qy 1850 CTGGGTGAGCGACCGGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1909
Db 5649 CTAATAAAGCGACGCGGAAACGACGAAACGACAA - CGTATTTCTAAATCGTAAACGTCG 5593
Qy 1910 GCGTTCGCGGCTTTGGCGGCGGCTAGGGAGGTGGCGGAGTCTTCGGATAAGCTCTAT 1969
Db 5592 AACTTCGGAATTTAAGCAACTTAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 5533
Qy 1970 CGAGTCGAGTACGCAAGCGGCGGCGGCGGCTCTTGCAAGAAATGCGAGGAGCATCCCC 2029
Db 5532 CGAATCGAATACGCAAAACGAAACGCGGCTCTTACAAAATAACAAACAAACATCCCC 5473
Qy 2030 AAGGATCGCTCCGATGCGCATATGTTGCGAGGTGCGGCGG 2071
Db 5472 AAAAATCGCTCCGAAATACCATCATATAACAAATACGAACC 5431

RESULT 9

US-10-240-589C-2/c
; Sequence 2, Application US/10240589C
; Publication No. US20040076956A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with
; TITLE OF INVENTION: DNA repair
; FILE REFERENCE: 5013.1008
; CURRENT APPLICATION NUMBER: US/10/240,589C
; CURRENT FILING DATE: 2003-09-02
; PRIOR APPLICATION NUMBER: PCT/EP01/03972
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30

; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 148
; SEQ ID NO 2
; LENGTH: 10619
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-589C-2

Query Match 57.7%; Score 1203.2; DB 17; Length 10619;
Best Local Similarity 76.8%; Pred. No. 4.4e-284;
Matches 1600; Conservative 0; Mismatches 463; Indels 19; Gaps 10;
Qy 1 TTTAGGGATGATATAGTTGTCAACCCAGAGATGGCATGATGCTTTTGACTTTGGTCA 60
Db 7504 TTTAAATAATATATATATATCAACCCAAATAATCAATATCATACCTTTTAACTTAATCA 7445
Qy 61 TTCTCTAAGTAAACCTTTTATTTGTTCCATCATATTTTCCACTTATTTCTGTTTACCTTCA 120
Db 7444 TTCTCTAAGTAAACCTTTTATTTTCCATCATATTTTCCACTTATTTCTTATTTACCTTCA 7385
Qy 121 AAATATCTTTTATTTTGTGACAGAGGTGACACTGTCCAGCTAGAGTCCAG 180
Db 7384 AAATATC--TTTATTTTAAACAAATATCACTATCACCACAACTAAATATCCAA 7327
Qy 181 TGGCACTATCATGCTCACCAGCCTCAACCTTCAGGGCTCAGGTGATCTCCCACTTC 240
Db 7326 TAACTATATATCTCACCAGCCTCAACCTTCAAACTCAATATATCTCCCACTTC 7267
Qy 241 AGCCTCCGAGTAGATGGGACTACAGGCACCTGCCACACCCAGCTAAATTTTGTAGA 300
Db 7266 AACCTCCGAAATAATAAACTTACAAACACCTTACCAACCCCACTAAATTTTATATA 7207
Qy 301 GACAAAGTTTGGCCATGTTGCCAGGCTGTGAACTCTCGGGCTCAAGGATCCGCG 360
Db 7206 AACAAATTTTACCATAATATCCAACTTAATCTTAACTCTTAACTCAAAATATCCGAC 7147
Qy 361 CACCTCAGCCTCCCAAGTGTAGGATATAGGCATGAGCCACTGTGCCAGCCCTACCTT 420
Db 7146 CACCTCAACCTCCCAAAATATCTAAATATTAACATAAACCACTATACCAACCTTACCT 7087
Qy 421 CAACGTATCTAACTGGTTTAACTTTAGGATTCGGCTATGTCTCAACACTTCTTTCG 480
Db 7086 CAACGTATCTAACTTAACTTTTAAATTCGACCTATATCTCAACACTTCTTAC 7027
Qy 481 TTACTCAACATCTTGTCTCTTAAAGCCACTAGTCTTCTCTATGGTTAACTTTTAT 540
Db 7026 TTACTCAACATCTTATCTCTTAAACCACTAACTTCTCTCTATATTAATTAACACTTTTAT 6967
Qy 541 GAGTTTATTCATCTGCTTATTTTCTTATCTCTATACCAAGATTTGAATTTTCAAT 600
Db 6966 AAATTTATTCATCTACTTATTTTCTTATCTCTATACCAAAATTAATATTTTCAAA 6907
Qy 601 AAAGCACACTCATGTTTCAAACTTTTGAATGAAAAAATAATGATAGGATTTAGAAAAG 660
Db 6906 AAACACACTCATATTAATACTTTTAAAT - AAAAAAATAATATATAAATAAATAA 6848
Qy 661 AAACCAATTTTAAATAACTATATTTTGAAGTATAGTCTTATATTAACAAACAGATCTAG 720
Db 6847 AAACCAATTTTAAATACTATATTTTAAATATATATTTCTATATTAACAAACAAATCTAA 6788
Qy 721 GCCAGTCCAGTGGCTCATGCTGTAAATCCAGCAATTTGGGAAGTCGAGGTGGGAGGAT 780
Db 6787 ACCAATAACAATACTCATACCTATAATCCCAACAAATTTAAAAATTCGAAATTAATAAAT 6728
Qy 781 TGCTTGAGCCAGGGGTTCAAGACGAGCTCGGGCAACATGGAGAGATTCCTCCATCTCTTT 840
Db 6727 TACTTAAACCAAAATTTCAAAACCACTAAACCAATATAAATAAATAAATTTCCCATCTCTTT 6668
Qy 841 CTTT-----ACACACACACACACACACAAATATCTGTAGCAACAGGTGCGAG 894
|||||

Db 361 GACTTCTGGGACAGCAATCAAAAGGGGTGGCGCGCGGTCTCTCAAGAGACTAGTCT 420
QY 1627 CAGCCAAAGCCCGCTCGGCCCCCAGGCGACGGG-CGCGAGAGTCTCCACCCGGCAGGCG 1685
Db 421 CAGCCAAAGCCCGCTCGGCCCCCAGGCGACGGGCGGAGCTCCACCCGGCAGGCG 480
QY 1686 CCCGGGAACTCCGCGCCCCCGGCGGCGAGGGCGCGCG---CCGCGGCGCCCCCGCTG 1742
Db 481 CCCGGGAACTCCGCGCCCCCGGCGGCGAGGGCGCGCGCGCGCCCCCGCTG 540
QY 1743 GACGGCGGTTCGGT-GGCGTTCCTCCGCGCAGGCAATCAGCAATCTATCAGGGAACGGCGG 1801
Db 541 GACGGCGGTTCGGTGGGCGGTTCCTCCGCGCAGGCAATCAGCAATCTATCAGGGAACGGCGG 600
QY 1802 TGGCGCGTCCGCGGTTCGGT-GGCGTCTGGCGCTCAGCG-TGGCGGCGTGGGTGAG 1858
Db 601 TGGCGCGTCCGCGGTTCGGTGGGCGGTCTGGCGCTCAGGCGCTCGGCGTGGGTGAG 660
QY 1859 CGACGCGAGGCGGCGGCGGCGCAAGCGTGTGTTCTAGTCTGGCGTGGCGTTCGGG 1918
Db 661 CGACGCGAGGCGGCGGCGGCGCA---CGGTGTTTCTAGTCTGGCGTGGCGTTCGGG 716
QY 1919 AGCTTTGGCGGCGAGTACGAGGAGTGGCGGAGTCTTCGGATAGCTCTATCGAGTCCAG 1978
Db 717 AGCTTTGGCGGCGAGTACGAGGAGTGGCGGA-TCTTCGGATTAGCTCTATCGAGTCCAG 775
QY 1979 TACGCAAGAGCGGCGGCGCTCTTGCAGAAATCAGCAGAGCATCCCCAAGACTCG 2038
Db 776 TACGCAAGAGCGGCGGCGCTCTTGCA--GAATCAGGAGAGCATCCCC-AGGACTCG 832
QY 2039 CTCGGATGGC 2049
Db 833 CTCGGATGCC 843

RESULT 11

US-10-027-632-154183
; Sequence 154183, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 154183
; LENGTH: 844
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-154183

Query Match 33.5%; Score 699.4; DB 17; Length 844;
Best Local Similarity 96.6%; Pred. No. 5e-161;
Matches 822; Conservative 1; Mismatches 12; Indels 16; Gaps 10;

QY 1207 CTGCCCTCAGGCGAGAGGACACACTTAAGAGTTTGGGCGCGGTGCTAGCTCATGCC 1266

Db 1 CTGCCCTCAGGCGAGAGGACACACTTAAGAGTTTGGGCGCGGTGCTAGCTCATGCC 60
QY 1267 CTGATCCAGCACTTCCGAGGCTGAGCGTGAAGATCACTTGTAGCAGAGTTTGAGA 1326
Db 61 CTGATCCAGCACTTCCGAGGCTGAGCGTGAAGATCACTTGTAGCAGAGTTTGAGA 120
QY 1327 CAGCTTAGCACAATTGCGGAGACCCCTCTCCCTAAAAAATTTTTTTTAAATAGCCAG 1386
Db 121 CAGCTTAGCACAATTGCGGAGACCCCTCTCCCTAAAAAATTTTTTTTAAATAGCCAG 180
QY 1387 TTGTGGTGAAGCGCTTGTAGTCCAGTACTCGGAGGCTGAGTGGAGGATCGCTGGCG 1446
Db 181 TTGTGGTGAAGCGCTTGTAGTCCAGTACTCGGAGGCTGAGTGGAGGATCGCTGGCG 240
QY 1447 TCAGAGTTTCCAGACTGTCAGTGCAGTGCATGATGCGGCACTGCACCTCCAGCGGAGAC 1506
Db 241 TCAGAGTTTCCAGACTGTCAGTGCATGATGCGGCACTGCACCTCCAGCGGAGAC 300
QY 1507 TCAGTCTCAAAAATAAAAGGGGAGGGTTCGGGGTAAAAATTTAGTTGTAATCAAGTAA 1566
Db 301 TCAGTCTCAAAAATAAAAGGGGAGGGTTCGGGGTAAAAATTTAGTTGTAATCAAGTAA 360
QY 1567 GACTTCTGGGACAGCAATCAAAAGGGTGGCGCGGCTCTCCAAAGAGCTACTAGCT 1626
Db 361 GACTTCTGGGACAGCAATCAAAAGGGTGGCGCGGCTCTCCAAAGAGCTACTAGCT 420
QY 1627 CAGCCAAAGCCCGCTCGGCCCCCAGGCGAGCGG-CGCGAGAGTCCACCCGGCAGGCG 1685
Db 421 CAGCCAAAGCCCGCTCGGCCCCCAGGCGAGCGGCCCGCAGAGGCTCCACCCGGCAGGCG 480
QY 1686 CCGGGAAACTCCGCGCCCCCGGCGGCGAGGGCGCGCG---CCGCGGCGCCCCCGCTG 1742
Db 481 CCGGGAAACTCCGCGCCCCCGGCGGCGAGGGCGCGCGCGCGCCCCCGCTG 540
QY 1743 GACGGCGGTTCGGT-GGCGTTCCTCCGCGCAGGCAATCAGCAATCTATCAGGGAACGGCGG 1801
Db 541 GACGGCGGTTCGGTGGGCGGTTCCTCCGCGCAGGCAATCAGCAATCTATCAGGGAACGGCGG 600
QY 1802 TGGCGCGTCCGCGGTTCGGT-GGCGTCTGGCGCTCAGCG-TGGCGGCTGGGTGAG 1858
Db 601 TGGCGCGTCCGCGGTTCGGTGGGCGGTCTGGCGCTCAGGCGGCTCGGCGTGGGTGAG 660
QY 1859 CGCAGCGAGGCGGCGGCGGCAAGCGTGTGTTTCTAGTCTGGCGGCTCGGCGTTCGGG 1918
Db 661 CGCAGCGAGGCGGCGGCGGCGCA---CGGTGTTTCTAGTCTGGCGTGGCGTTCGGG 716
QY 1919 AGCTTTGGCGGCGAGTACGAGGAGTGGCGGAGTCTTCGGATAAGCTCTATCGAGTCCAG 1978
Db 717 AGCTTTGGCGGCGAGTACGAGGAGTGGCGGA-TCTTCGGATTAGCTCTATCGAGTCCAG 775
QY 1979 TACGCAAGAGCGGCGGCGCTCTTGCAGAAATCAGCAGAGCATCCCCAAGACTCG 2038
Db 776 TACGCAAGAGCGGCGGCGCTCTTGCA--GAATCAGGAGAGCATCCCC-AGGACTCG 832
QY 2039 CTCGGATGGC 2049
Db 833 CTCGGATGCC 843

RESULT 12

US-09-960-253-107
; Sequence 107, Application US/09960253
; Patent No. US20020123619A1
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Lodes, Michael J.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.556
; CURRENT APPLICATION NUMBER: US/09/960,253
; CURRENT FILING DATE: 2001-09-20

QY	1902	TGGCGTCGGGCTTCCGGAGCTTTTGGCGGAGCTTAGGGAGGATGGCGGAGTCTTTCGGATA	1961
DB	119	TGGCGTCGGGCTTCCGGAGCTTTTGGCGGAGCTTAGGGAGGATGGCGGAGTCTTTCGGATA	178
QY	1962	AGCTCTATCGAGTCGAGTACGACCAAGAGCGGGCGGCTTTGCAAGAAATGCAGCGAGA	2021
DB	179	AGCTCTATCGAGTCGAGTACGACCAAGAGCGGGCGGCTTTGCAAGAAATGCAGCGAGA	238
QY	2022	GCATCCCCAAGGACTCGCTCCGGATGGCCATCATGTCAGAGTGC	2066
DB	239	GCATCCCCAAGGACTCGCTCCGGATGGCCATCATGTCAGAGTGC	283
RESULT 14			
US-10-097-340-3			
; Sequence 3, Application US/10097340			
; Publication No. US20030087250A1			
; GENERAL INFORMATION:			
; APPLICANT: John MONAHAN			
; APPLICANT: Manjula GANNAVAPU			
; APPLICANT: Sebastian HOERSCH			
; APPLICANT: Shubhangi KAMATKAR			
; APPLICANT: Steve G. KOVATS			
; APPLICANT: Rachel B. MEYERS			
; APPLICANT: Michael MORRISSEY			
; APPLICANT: Peter OLANDT			
; APPLICANT: Ami SEN			
; APPLICANT: Peter VEIBY			
; APPLICANT: Gordon B. MILLIS			
; APPLICANT: Robert C. BAST, Jr.			
; APPLICANT: Karen LU			
; APPLICANT: Rosemarie SCHMANDT			
; APPLICANT: Xumei ZHAO			
; APPLICANT: Karen GLATT			
; TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification			
; FILE REFERENCE: MRI-030			
; CURRENT APPLICATION NUMBER: US/10/097,340			
; CURRENT FILING DATE: 2002-03-14			
; PRIOR APPLICATION NUMBER: 60/276,025			
; PRIOR FILING DATE: 2001-03-14			
; PRIOR APPLICATION NUMBER: 60/325,149			
; PRIOR FILING DATE: 2001-09-26			
; PRIOR APPLICATION NUMBER: 60/276,026			
; PRIOR FILING DATE: 2001-03-14			
; PRIOR APPLICATION NUMBER: 60/324,967			
; PRIOR FILING DATE: 2001/09/26			
; PRIOR APPLICATION NUMBER: 60/311,732			
; PRIOR FILING DATE: 2001-08-10			
; PRIOR APPLICATION NUMBER: 60/325,102			
; PRIOR FILING DATE: 2001-09-26			
; PRIOR APPLICATION NUMBER: 60/323,580			
; PRIOR FILING DATE: 2001-09-19			
; NUMBER OF SEQ ID NOS: 363			
; SOFTWARE: FastSeq for Windows Version 4.0			
; SEQ ID NO 3			
; LENGTH: 3859			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
US-10-097-340-3			
Query Match 12.5%; Score 261.4; DB 14; Length 3859;			
Best Local Similarity 97.2%; Pred. No. 3.6e-53;			
Matches 277; Conservative 0; Mismatches 6; Indels 2; Gaps 1;			
QY	1782	AATCTATCAGGAAACGGCGGTGGCGGCTTTCGGTCCGCTCTGCGCGCTCTGCGCGCTCAGC	1841
DB	1	AATCTATCAGGAAACGGCGGTGGCGGCTTTCGGTCCGCTCTGCGCGCTCAGC	60
QY	1842	CGTGGCGGTGGGTGAGCGCACGCGAGGCGGCGAGCGCTGTGTTCTAGGTCG	1901
DB	61	CGTGGCGGTGGGTGAGCGCACGCGAGGCGGCGAGCGCTGTGTTCTAGGTCG	118

Qy	1902	TGCGTCGGGCTTCCGAGCTTTTGGCGGCAGCTAGGGGAGGATGGCGAGCTTTCGATA	1961
Db	119	TGCGTCGGGCTTCCGAGCTTTTGGCGGCAGCTAGGGGAGGATGGCGAGCTTTCGATA	178
Qy	1962	AGCTCTATCAGTTCGAGTAGCCCAAGAGCGGGCGCGCTTTCGAGAAATCAGGCGAGA	2021
Db	179	AGCTCTATCAGTTCGAGTAGCCCAAGAGCGGGCGCGCTTTCGAGAAATCAGGCGAGA	238
Qy	2022	GCATCCCCAAGGACTCGCTCCGATGCCCATCATGTGCGAGGTGC	2066
Db	239	GCATCCCCAAGGACTCGCTCCGATGCCCATCATGTGCGAGGTGC	283

RESULT 15

US-10-163-587A-3
 ; Sequence 3, Application US/10163587A
 ; Publication No. US2003009623A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Oliveira, Marcos
 ; TITLE OF INVENTION: SELECTIVE PARP-1 TARGETING FOR DESIGNING CHEMO/RADIO SENSITIZING
 ; FILE REFERENCE: 50229-306
 ; CURRENT APPLICATION NUMBER: US/10/163,587A
 ; CURRENT FILING DATE: 2003-01-10
 ; PRIOR APPLICATION NUMBER: 60/296,110
 ; PRIOR FILING DATE: 2001-06-07
 ; NUMBER OF SEQ ID NOS: 40
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 3
 ; LENGTH: 3859
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (160)..(3204)
 ; OTHER INFORMATION:
 ; US-10-163-587A-3

Query Match	12.5%; Score 261.4; DB 14; Length 3859;
Best Local Similarity	97.2%; Pred. No. 3.6e-53;
Matches 277; Conservative	0; Mismatches 6; Indels 2; Gaps 1;
QY	1782 AATCTATCAGGGAACGGCGGTGGCCGGTGGCGGTGTTTCGGTGGCTCTCGCCGCTCAGC 1841
DB	
1	AATCTATCAGGGAACGGCGGTGGCCGGTGGCGGTGTTTCGGTGGCTCTCGCCGCTCAGG 60
QY	1842 CGTGGCGGCTGGGTGAGCGACACGGAGGCGCGCAGCGCGCAACGCTGTGTTCTTAGGTGC 1901
DB	
61	CCGTGGCGGCTGGGTGAGCGCACGGAGGCGCGCAGCGCGCAAGC--GTGTTTCTTAGGTGC 118
QY	1902 TGGCGTCGGGCTTTCGGAGCTTTTGGCGGCACTTAGGGGAGGATGGCGAGCTCTTCGGATA 1961
DB	
119	TGGCGTCGGGCTTTCGGAGCTTTTGGCGGCACTTAGGGGAGGATGGCGAGCTCTTCGGATA 178
QY	1962 AGCTCTATCAGTCTGAGTAGCCAAAGAGCGGGCGCGCTCTTGCAGAAATGACGCGAGA 2021
DB	
179	AGCTCTATCAGTCTGAGTAGCCAAAGAGCGGGCGCGCTCTTGCAGAAATGACGCGAGA 238
QY	2022 GCATGCCCAAGGACTCGCTCCGATGCCCATCATGTGCAAGTGC 2066
DB	
239	GCATGCCCAAGGACTCGCTCCGATGCCCATCATGTGCAAGTGC 283

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Job time : 1250 secs

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OM nucleic - nucleic search, using sw model

Run on: June 6, 2005, 12:27:30 ; Search time 360 Seconds
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Perfect score: 2085
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Scoring table: OLIGO NUC
Gapop 60.0 , Gapext 60.0

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Total number of hits satisfying chosen parameters: 8517

Minimum DB seq length: 0
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Post-processing: Listing first 45 summaries

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2: /cgn2_6/prodata/1/ina/5B COMB.seq:
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5: /cgn2_6/prodata/1/ina/PCTUS COMB.seq:
6: /cgn2_6/prodata/1/ina/backfiles1.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query		Length	DB	ID	Description
		Match					
1	175	8.4		3660	3	US-09-517-467B-3	Sequence 3, Appli
2	175	8.4		3747	1	US-08-044-618-5	Sequence 5, Appli
3	120	5.8		3045	4	US-09-596-248D-24	Sequence 24, Appli
4	73	3.5		3792	3	US-08-860-886-1	Sequence 1, Appli
5	71	3.4		3200	4	US-09-596-248D-46	Sequence 46, Appli
6	64	3.1		5345	1	US-08-044-618-7	Sequence 7, Appli
C	7	50	2.4	8848	4	US-09-949-016-14854	Sequence 14854, A
8	46	2.2	601	4	4	US-09-949-016-178057	Sequence 178057,
9	46	2.2	601	4	4	US-09-949-016-178058	Sequence 178058,
C	10	46	2.2	69809	4	US-09-949-016-13423	Sequence 13423, A
C	11	46	2.2	98302	4	US-09-949-016-16847	Sequence 16847, A
C	12	46	2.2	114426	4	US-09-949-016-15078	Sequence 15078, A
13	45	2.2	73	4	4	US-09-513-999C-16098	Sequence 16098, A
14	45	2.2	74	4	4	US-09-513-999C-16110	Sequence 16110, A
15	45	2.2	123	4	4	US-09-513-999C-29990	Sequence 29990, A
16	45	2.2	2181	2	4	US-08-737-371A-1	Sequence 1, Appli
17	45	2.2	2181	5	5	PCT-US95-05853-1	Sequence 1, Appli
18	45	2.2	46253	4	4	US-09-949-016-11890	Sequence 11890, A
19	45	2.2	46257	4	4	US-09-949-016-13711	Sequence 13711, A
C	20	45	2.2	194889	4	US-09-949-016-15654	Sequence 15654, A
21	44	2.1	24204	4	4	US-09-949-016-16232	Sequence 16232, A
C	22	44	2.1	77626	4	US-09-949-016-12608	Sequence 12608, A
23	44	2.1	112623	4	4	US-09-949-016-14374	Sequence 14374, A
24	43	2.1	601	4	4	US-09-949-016-18032	Sequence 18032, A
25	43	2.1	601	4	4	US-09-949-016-18033	Sequence 18033, A
26	43	2.1	601	4	4	US-09-949-016-144922	Sequence 144922,
27	43	2.1	601	4	4	US-09-949-016-161292	Sequence 161292,

28	43	2.1	601	4	US-09-949-016-161293	Sequence 161293,	
c	29	43	2.1	2252	4	US-09-949-016-4519	Sequence 4519, Ap
c	30	43	2.1	2273	4	US-09-949-016-19	Sequence 19, Appl
c	31	43	2.1	8905	4	US-09-949-016-11761	Sequence 11761, A
c	32	43	2.1	8907	4	US-09-949-016-16261	Sequence 16261, A
c	33	43	2.1	113042	4	US-09-949-016-12343	Sequence 12343, A
c	34	43	2.1	113042	4	US-09-949-016-15246	Sequence 15246, A
c	35	43	2.1	152132	4	US-09-949-016-12371	Sequence 12371, A
c	36	43	2.1	152145	4	US-09-949-016-12371	Sequence 12371, A
c	37	43	2.1	177251	4	US-09-949-016-15841	Sequence 15841, A
c	38	42	2.0	601	4	US-09-949-016-199479	Sequence 199479,
c	39	42	2.0	1638	4	US-09-620-312D-810	Sequence 810, App
c	40	42	2.0	16738	4	US-09-949-016-12168	Sequence 12168, A
c	41	42	2.0	16738	4	US-09-949-016-14678	Sequence 14678, A
c	42	42	2.0	35609	4	US-09-949-016-17370	Sequence 17370, A
c	43	42	2.0	38206	4	US-09-949-016-15527	Sequence 15527, A
c	44	42	2.0	40493	4	US-09-949-016-15453	Sequence 15453, A
c	45	42	2.0	41863	4	US-09-949-016-14948	Sequence 14948, A

ALIGNMENTS

RESULT 1
US-09-517-467B-3
; Sequence 3, Application US/09517467B
; Patent No. 6451602
; GENERAL INFORMATION:
; APPLICANT: Ian Popoff
; APPLICANT: Lex M. Cowser
; TITLE OF INVENTION: ANTISENSE MODULATION OF PARP EXPRESSION
; FILE REFERENCE: RTS-0150
; CURRENT APPLICATION NUMBER: US/09/517,467B
; CURRENT FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 09/517,467
; PRIOR FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 345
; SEQ ID NO 3
; LENGTH: 3660
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (160)...(3204)
US-09-517-467B-3

Query Match	8.4%	Score 175;	DB 3;	Length 3660;
Best Local Similarity	100.0%	Pred. No. 6e-59;	Mismatches 0;	Indels 0;
Matches 175;	Conservative 0;	0;	Gaps 0;	0;
QY	1888	GTGTTTCTAGGTCGTGGCGCTTCGGAGCTTTCCGGAGCTTTGGCGGAGCTAGGGAGGATGCG	1947	
Db	105	GTGTTTCTAGGTCGTGGCGCTTCGGAGCTTTCCGGAGCTTTGGCGGAGCTAGGGAGGATGCG	164	
QY	1948	GGAGTCCTCGGTAAGCTCTATCGAGTCGAGTACGCAAGAGCGGCGCTCTTTCGCA	2007	
Db	165	GGAGTCCTCGGTAAGCTCTATCGAGTCGAGTACGCAAGAGCGGCGCTCTTTCGCA	224	
QY	2008	GAATGTCGAGGAGCATCCCAAGGACTCGCTCCGATGGCCATCATGTGCAG	2062	
Db	225	GAATGTCGAGGAGCATCCCAAGGACTCGCTCCGATGGCCATCATGTGCAG	279	

RESULT 2
US-08-044-618-5
; Sequence 5, Application US/08044618
; Patent No. 5449605
; GENERAL INFORMATION:
; APPLICANT: SMULSON, MARK
; TITLE OF INVENTION: METHOD OR DETECTING A PREDISPOSITION TO
; TITLE OF INVENTION: CANCER BY THE USED OF RESTRICTION FRAGMENT LENGTH
; TITLE OF INVENTION: POLYMORPHISM OF THE GENE FOR THE HUMAN POLY (ADP-RIBOSE)
; TITLE OF INVENTION: POLYMERASE

```
;
;
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox
; STREET: 1225 Connecticut Suite 300
; CITY: Washington
; STATE: D.C.
; ZIP: 20036
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/044,618
; FILING DATE: 19930406
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/257,696
; FILING DATE: 14-OCT-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: FOX, SAMUEL L
; REGISTRATION NUMBER: 30,353
; REFERENCE/DOCKET NUMBER: 0654.0490001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)466-0800
; TELEFAX: (202)833-8716
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3747 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; US-08-044-618-5

Query Match 8.4%; Score 175; DB 1; Length 3747;
Best Local Similarity 100.0%; Pred. No. 6e-59; Indels 0; Gaps 0;
Matches 175; Conservative 0; Mismatches 0;

QY 1888 GTGTTTCTAGTCTGGCGCTTCGGAGCTTTGGCGGAGCTAGGGGAGGATGCG 1947
DB 136 GGTGTTCTAGTCTGGCGCTTCGGAGCTTTGGCGGAGCTAGGGGAGGATGCG 195
QY 1948 GGAGTCTTCGATAGCTTATCGAGTCAGTACGCCAAGAGCGGGCGGCTCTTGCNA 2007
DB 196 GGAGTCTTCGATAGCTTATCGAGTCAGTACGCCAAGAGCGGGCGGCTCTTGCNA 255
QY 2008 GAAATGCAGCAGAGCATCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCAG 2062
DB 256 GAAATGCAGCAGAGCATCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCAG 310

RESULT 3
US-09-596-248D-24
; Sequence 24, Application US/09596248D
; Patent No. 6599727
; GENERAL INFORMATION:
; APPLICANT: Christenson, Erik
; APPLICANT: DeMaggio, Anthony J
; APPLICANT: Goldman, Phyllis S
; APPLICANT: McElligott, David L
; TITLE OF INVENTION: Human Poly(ADP-Ribose) Polymerase 2 Materials and
; FILE REFERENCE: 27866/36544
; CURRENT FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: 60/139,543
; PRIOR FILING DATE: 1999-06-16
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 24
; LENGTH: 3045
; TYPE: DNA

;
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(3045)
; OTHER INFORMATION:
; US-09-596-248D-24

Query Match 5.8%; Score 120; DB 4; Length 3045;
Best Local Similarity 100.0%; Pred. No. 1.6e-37;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1943 ATGGCGGAGTCTTCGGATAAGCTTATCGAGTCGAGTAGCCCAAGAGCGGGCGGCTCT 2002
DB 1 ATGGCGGAGTCTTCGGATAAGCTTATCGAGTCGAGTAGCCCAAGAGCGGGCGGCTCT 60
QY 2003 TGCAGAAATGCAGCAGAGCATCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCAG 2062
DB 61 TGCAGAAATGCAGCAGAGCATCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCAG 120

RESULT 4
US-08-860-886-1
; Sequence 1, Application US/08860886
; Patent No. 6335009
; GENERAL INFORMATION:
; APPLICANT: Burkle, Alexander
; APPLICANT: Zur Hausen, Harald
; APPLICANT: Jan-Heiner, Kupper
; TITLE OF INVENTION: VECTORS AND VIRUSES FOR USE
; TITLE OF INVENTION: IN GENE THERAPY
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds, LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2811
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: Fast-Seq for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/860,886
; FILING DATE: 03-OCT-1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 8484-0028-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-493-4935
; TELEFAX: 650-493-5556
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3792 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 96..3134
; OTHER INFORMATION:
; US-08-860-886-1

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Best Local Similarity 98.9%; Pred. No. 3.1e-19;
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; SEQ ID NO 16110
; LENGTH: 74
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-513-999C-16110

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Best Local Similarity 100.0%; Pred. No. 3.9e-08;
Matches 45; Conservative 0; Mismatches 0; Indels

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RESULT 15
US-09-513-999C-29990
; Sequence 29990, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J. B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J. Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961

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1 ; title or invention: expressed sequence tag
2 Patent NO. 6783961
3
4 ; FILE REFERENCE: 59.US2.REG
5 ; CURRENT APPLICATION NUMBER: US/09/513,999C
6 ; CURRENT FILING DATE: 2000-02-24
7 ; PRIOR APPLICATION NUMBER: US 60/122,487
8 ; PRIOR FILING DATE: 1999-02-26
9 ; NUMBER OF SEQ ID NOS: 36681
10 ; SOFTWARE: Patent.pm
11 SEQ ID NO 29990
12 LENGTH: 123
13 TYPE: DNA
14 ORGANISM: Homo sapiens
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17 NAME/KEY: misc_feature
18 LOCATION: 16
19 OTHER INFORMATION: s=g or c
20
21 FEATURE:
22 NAME/KEY: misc_feature
23 LOCATION: 17
24 OTHER INFORMATION: s=g or c
25
26 FEATURE:
27 NAME/KEY: misc_feature
28 LOCATION: 18
29 OTHER INFORMATION: v=a or c or g
30
31 FEATURE:
32 NAME/KEY: misc_feature
33 LOCATION: 86
34 OTHER INFORMATION: k=g or t
35
36 US-09-513,999C-29990

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; LOCATION: 18
; OTHER INFORMATION: v=a or c or g
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; FEATURE:
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; LOCATION: 86
; OTHER INFORMATION: k=g or t
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US-09-513-999C-29990

Query Match          2.2%; Score 45; DB 4; Length 123;
Best Local Similarity 100.0%; Pred. No. 3.7e-08;
Matches 45; Conservative 0; Mismatches 3; Indels

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      QY      1398  GCCTGTGATCCAGCTACTCTCGGAGGC
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Search completed: June 6, 2005, 16:29:42
Job time : 364 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: June 6, 2005, 12:27:31 ; Search time 1241 Seconds
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Title: US-09-909-317-5

Perfect score: 2085

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Scoring table: OLIGO_NUC

Gapop_60.0 , Gapext 60.0

Searched: 5706582 seqs, 3073711274 residues

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Total number of hits satisfying chosen parameters: 15252

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	2085	100.0	2085	11 US-09-909-317-5	Sequence 5, Appli
2	406	19.5	844	13 US-10-027-632-154183	Sequence 154183,
3	406	19.5	844	17 US-10-027-632-154183	Sequence 154183,
4	175	8.4	335	18 US-10-283-975A-327	Sequence 327, App
5	175	8.4	370	18 US-10-723-860-2326	Sequence 2326, Ap
6	175	8.4	394	10 US-09-918-995-5037	Sequence 5037, Ap
7	175	8.4	398	9 US-09-960-253-117	Sequence 117, App
8	175	8.4	521	9 US-09-833-790-349	Sequence 349, App
9	175	8.4	665	9 US-09-960-253-107	Sequence 107, App
10	175	8.4	722	9 US-09-960-253-106	Sequence 106, App
11	175	8.4	3686	15 US-10-084-817-316	Sequence 316, App

12	175	8.4	3859	9 US-09-864-864-300	Sequence 300, App
13	175	8.4	3859	14 US-10-097-340-3	Sequence 3, Appli
14	175	8.4	3859	14 US-10-163-587A-3	Sequence 3, Appli
15	175	8.4	3861	17 US-10-334-143-100	Sequence 100, App
16	175	8.4	4100	18 US-10-723-860-6526	Sequence 6526, Ap
17	136	6.5	396	16 US-10-181-447A-43	Sequence 43, Appli
18	126	6.0	3640	9 US-09-292-758-144	Sequence 144, App
19	124	5.9	3795	15 US-10-171-581-124	Sequence 124, App
20	120	5.8	3045	16 US-10-369-378-24	Sequence 24, Appli
21	120	5.8	3045	16 US-10-199-937-136	Sequence 136, App
22	89	4.3	385	9 US-09-925-300-831	Sequence 831, App
23	71	3.4	3200	16 US-10-369-378-46	Sequence 46, Appli
24	71	3.4	3308	16 US-10-199-937-177	Sequence 177, App
25	52	2.5	55236	13 US-10-087-192-370	Sequence 370, App
26	46	2.2	50002	13 US-10-087-192-994	Sequence 994, App
27	46	2.2	64183	18 US-10-684-432-201	Sequence 201, App
28	46	2.2	121600	18 US-10-723-860-1125	Sequence 1125, Ap
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40	45	2.2	30175	9 US-09-738-878-3	Sequence 3, Appli
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43	45	2.2	174448	13 US-10-087-192-148	Sequence 148, App
44	44	2.1	432	18 US-10-674-124A-232	Sequence 232, App
45	44	2.1	443	10 US-09-918-995-37206	Sequence 37206, A

ALIGNMENTS

RESULT 1
US-09-909-317-5
; Sequence 5, Application US/0909317
; Publication No. US20040152075A1
; GENERAL INFORMATION:
; APPLICANT: Betty P. Tsao (Inventor)
; APPLICANT: Rita M. Cantor (Inventor)
; APPLICANT: Jerome I. Rotter (Inventor)
; TITLE OF INVENTION: Genetic Marker Test for Lupus
; FILE REFERENCE: 18810-82152
; CURRENT APPLICATION NUMBER: US/09/909,317
; CURRENT FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: 09/280,181
; PRIOR FILING-DATE: 1999-03-29
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 2085
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-317-5

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Best Local Similarity 100.0%; Pred. No. 0;
Matches 2085; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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RESULT 2

US-10-027-632-154183
; Sequence 154183, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12


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; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 327
; LENGTH: 335
; TYPE: DNA
; ORGANISM: HUMAN
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(335)
; OTHER INFORMATION: N=any base
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(335)
; OTHER INFORMATION:
; US-10-283-975A-327

Query Match      8.4%; Score 175; DB 18; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTTCTAGGTCGTGGCGTTCGGGCTTCGGAGCTTTGGCGGAGCTAGGGAGGATGGC 1947
Db 46 GTGTTTCTAGGTCGTGGCGTTCGGGCTTCGGAGCTTTGGCGGAGCTAGGGAGGATGGC 105

QY 1948 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGCCCTCTTTGCAA 2007
Db 106 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGCCCTCTTTGCAA 165

QY 2008 GAAATGCGAGGAGCATCCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCAG 2062
Db 166 GAAATGCGAGGAGCATCCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCAG 220

RESULT 5
US-10-723-860-2326
; Sequence 2326, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; FILE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators
; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8193
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2326
; LENGTH: 370
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-723-860-2326

Query Match      8.4%; Score 175; DB 18; Length 370;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 129 GTGTTTCTAGGTCGTGGCGTTCGGGCTTCGGAGCTTTGGCGGAGCTAGGGAGGATGGC 188

QY 1948 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGCCCTCTTTGCAA 2007
Db 189 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGCCCTCTTTGCAA 248

QY 2008 GAAATGCGAGGAGCATCCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCAG 2062
Db 249 GAAATGCGAGGAGCATCCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCAG 303

RESULT 6
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; Sequence 5037, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5037
; LENGTH: 394
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-918-995-5037

Query Match      8.4%; Score 175; DB 10; Length 394;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 76 GTGTTTCTAGGTCGTGGCGTTCGGGCTTCGGAGCTTTGGCGGAGCTAGGGAGGATGGC 135

QY 1948 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGCCCTCTTTGCAA 2007
Db 136 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGCCCTCTTTGCAA 195

QY 2008 GAAATGCGAGGAGCATCCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCAG 2062
Db 195 GAAATGCGAGGAGCATCCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCAG 250

RESULT 7
US-09-960-253-117
; Sequence 117, Application US/09960253
; Patent No. US20020123619A1
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Lodes, Michael J.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.556
; CURRENT APPLICATION NUMBER: US/09/960,253
; CURRENT FILING DATE: 2001-09-20
; NUMBER OF SEQ ID NOS: 187
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 117
; LENGTH: 398
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-960-253-117

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Best Local Similarity 100.0%; Pred. No. 1.1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTTCTAGGTCGTGGCGTTCGGGCTTCGGAGCTTTGGCGGAGCTAGGGAGGATGGC 1947
Db 73 GTGTTTCTAGGTCGTGGCGTTCGGGCTTCGGAGCTTTGGCGGAGCTAGGGAGGATGGC 132

QY 1948 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGCCCTCTTTGCAA 2007
Db 133 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGCCCTCTTTGCAA 192

QY 2008 GAAATGCGAGGAGCATCCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCAG 2062
Db 193 GAAATGCGAGGAGCATCCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCAG 247
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RESULT 8
US-09-833-790-349
; Sequence 349, Application US/09833790
; Patent No. US20020068288A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Secret, Heather
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Indirias, Carol Y.
; APPLICANT: Pan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.512
; CURRENT APPLICATION NUMBER: US/09/833,790
; CURRENT FILING DATE: 2001-04-11
; NUMBER OF SEQ ID NOS: 440
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 349
; LENGTH: 521
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-833-790-349

Query Match      8.4%; Score 175; DB 9; Length 521;
Best Local Similarity 100.0%; Pred. No. 1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTTCTAGGTCGTGGCGCTTCGGAGCTTTGGCGGAGCTAGGGAGGATGGC 1947
DB 52 GTGTTTCTAGGTCGTGGCGCTTCGGAGCTTTGGCGGAGCTAGGGAGGATGGC 111
QY 1948 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGCCCTCTTGCAA 2007
DB 112 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGCCCTCTTGCAA 171
QY 2008 GAAATGCGAGGAGCATCCCAAGGACTCGCTCCGGATGCCATCATGTCGAG 2062
DB 172 GAAATGCGAGGAGCATCCCAAGGACTCGCTCCGGATGCCATCATGTCGAG 226

RESULT 9
US-09-960-253-107
; Sequence 107, Application US/09960253
; Patent No. US20020123619A1
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Lodes, Michael J.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.556
; CURRENT APPLICATION NUMBER: US/09/960,253
; CURRENT FILING DATE: 2001-09-20
; NUMBER OF SEQ ID NOS: 187
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 107
; LENGTH: 665
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-960-253-107

Query Match      8.4%; Score 175; DB 9; Length 665;
Best Local Similarity 100.0%; Pred. No. 1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTTCTAGGTCGTGGCGCTTCGGAGCTTTGGCGGAGCTAGGGAGGATGGC 1947
DB 109 GTGTTTCTAGGTCGTGGCGCTTCGGAGCTTTGGCGGAGCTAGGGAGGATGGC 168
QY 1948 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGCCCTCTTGCAA 2007
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Db 169 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGCCCTCTTGCAA 228
QY 2008 GAAATGCGAGGAGCATCCCAAGGACTCGCTCCGGATGCCATCATGTCGAG 2062
DB 229 GAAATGCGAGGAGCATCCCAAGGACTCGCTCCGGATGCCATCATGTCGAG 283

RESULT 10
US-09-960-253-106
; Sequence 106, Application US/09960253
; Patent No. US20020123619A1
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Lodes, Michael J.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.556
; CURRENT APPLICATION NUMBER: US/09/960,253
; CURRENT FILING DATE: 2001-09-20
; NUMBER OF SEQ ID NOS: 187
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 106
; LENGTH: 722
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-960-253-106

Query Match      8.4%; Score 175; DB 9; Length 722;
Best Local Similarity 100.0%; Pred. No. 1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTTCTAGGTCGTGGCGCTTCGGAGCTTTGGCGGAGCTAGGGAGGATGGC 1947
DB 124 GTGTTTCTAGGTCGTGGCGCTTCGGAGCTTTGGCGGAGCTAGGGAGGATGGC 183
QY 1948 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGCCCTCTTGCAA 2007
DB 184 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGCCCTCTTGCAA 243
QY 2008 GAAATGCGAGGAGCATCCCAAGGACTCGCTCCGGATGCCATCATGTCGAG 2062
DB 244 GAAATGCGAGGAGCATCCCAAGGACTCGCTCCGGATGCCATCATGTCGAG 298
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RESULT 11
US-10-084-817-316
; Sequence 316, Application US/10084817
; Publication No. US20030119009A1
; GENERAL INFORMATION:
; APPLICANT: Susan Stuart
; APPLICANT: Jed G. Nuchtern
; APPLICANT: Sharon E. Plon
; APPLICANT: Jason M. Shonet
; TITLE OF INVENTION: GENES REGULATED BY MYCN ACTIVATION
; FILE REFERENCE: PA-0046 US
; CURRENT APPLICATION NUMBER: US/10/084,817
; CURRENT FILING DATE: 2002-02-25
; PRIOR APPLICATION NUMBER: 60/270,784
; PRIOR FILING DATE: 2001-02-23
; NUMBER OF SEQ ID NOS: 365
; SOFTWARE: PERL Program
; SEQ ID NO 316
; LENGTH: 3686
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030119009A1 034181CB1
US-10-084-817-316

Query Match      8.4%; Score 175; DB 15; Length 3686;
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Best Local Similarity 100.0%; Pred. No. 9.9e-75;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 116 GTGTTTCTAGTCTGGCGCTTCGGGCTTCGGAGCTTTGGCGGAGGAGGATGGC 175
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QY 1948 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGGCGGCTCTTTGCAA 2007
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Db 176 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGGCGGCTCTTTGCAA 235
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QY 2008 GAAATCAGCGAGAGCATCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCG 2062
|||||
Db 236 GAAATCAGCGAGAGCATCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCG 290
|||||

RESULT 12

US-09-864-864-300
Sequence 300, Application US/09864864
Patent No. US20020102679A1

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Dillon, Davin C.
APPLICANT: Secrist, Heather
APPLICANT: Lodes, Michael J.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steve P.
APPLICANT: Mannion, Jane
APPLICANT: Beneson, Darrin R.
APPLICANT: Carter, Darrick
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.523
CURRENT FILING DATE: 2001-05-23
NUMBER OF SEQ ID NOS: 341
SOFTWARE: Corixa Invention Disclosure Database
SEQ ID NO 300
LENGTH: 3859
TYPE: DNA
ORGANISM: Homo sapiens
US-09-864-864-300

Query Match

Best Local Similarity 100.0%; Pred. No. 9.9e-75;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTTCTAGTCTGGCGCTTCGGGCTTCGGAGCTTTGGCGGAGGAGGATGGC 1947
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Db 105 GTGTTTCTAGTCTGGCGCTTCGGGCTTCGGAGCTTTGGCGGAGGAGGATGGC 164
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QY 1948 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGGCGGCTCTTTGCAA 2007
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Db 165 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGGCGGCTCTTTGCAA 224
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QY 2008 GAAATCAGCGAGAGCATCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCG 2062
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Db 225 GAAATCAGCGAGAGCATCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCG 279
|||||

RESULT 13

US-10-097-340-3
Sequence 3, Application US/10097340
Publication No. US20030087250A1

GENERAL INFORMATION:

APPLICANT: John MONAHAN
APPLICANT: Manjula GANNAVAPURU
APPLICANT: Sebastian HOERSCH
APPLICANT: Shubhangi KAMATKAR
APPLICANT: Steve G. KOVATS
APPLICANT: Rachel E. MEYERS

APPLICANT: Michael MORRISSEY
APPLICANT: Peter OLANDT
APPLICANT: Ami SEN
APPLICANT: Peter VEIBY
APPLICANT: Gordon B. MILLS
APPLICANT: Robert C. BAST, Jr.
APPLICANT: Karen LU
APPLICANT: Rosemarie SCHMANDT
APPLICANT: Xumei ZHAO
APPLICANT: Karen GLATT
TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,
TITLE OF INVENTION: Assessment, Prevention, and Therapy of Ovarian Cancer
FILE REFERENCE: MRI-030
CURRENT APPLICATION NUMBER: US/10/097,340
CURRENT FILING DATE: 2002-03-14
PRIOR APPLICATION NUMBER: 60/276,025
PRIOR FILING DATE: 2001-03-14
PRIOR APPLICATION NUMBER: 60/325,149
PRIOR FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: 60/276,026
PRIOR FILING DATE: 2001-03-14
PRIOR APPLICATION NUMBER: 60/324,967
PRIOR FILING DATE: 2001/09/26
PRIOR APPLICATION NUMBER: 60/311,732
PRIOR FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: 60/325,102
PRIOR FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: 60/323,580
PRIOR FILING DATE: 2001-09-19
NUMBER OF SEQ ID NOS: 363
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 3859
TYPE: DNA
ORGANISM: Homo sapiens
US-10-097-340-3

Query Match

Best Local Similarity 100.0%; Pred. No. 9.9e-75;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTTCTAGTCTGGCGCTTCGGGCTTCGGAGCTTTGGCGGAGGAGGATGGC 1947
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Db 105 GTGTTTCTAGTCTGGCGCTTCGGGCTTCGGAGCTTTGGCGGAGGAGGATGGC 164
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QY 1948 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGGCGGCTCTTTGCAA 2007
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Db 165 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGGCGGCTCTTTGCAA 224
|||||

QY 2008 GAAATCAGCGAGAGCATCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCG 2062
|||||
Db 225 GAAATCAGCGAGAGCATCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCG 279
|||||

RESULT 14

US-10-163-587A-3
Sequence 3, Application US/10163587A
Publication No. US20030096263A1

GENERAL INFORMATION:

APPLICANT: Oliveira, Marcos
TITLE OF INVENTION: SELECTIVE PARP-1 TARGETING FOR DESIGNING CHEMO/RADIO SENSITIZING
FILE REFERENCE: 50229-306
CURRENT APPLICATION NUMBER: US/10/163,587A
CURRENT FILING DATE: 2003-01-10
PRIOR APPLICATION NUMBER: 60/296,110
PRIOR FILING DATE: 2001-06-07
NUMBER OF SEQ ID NOS: 40
SOFTWARE: PatentIn version 3.1
SEQ ID NO 3
LENGTH: 3859
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:

; NAME/KEY: CDS
; LOCATION: (160)..(3204)
; OTHER INFORMATION:
US-10-163-587A-3

Query Match 8.4%; Score 175; DB 14; Length 3859;
Best Local Similarity 100.0%; Pred. No. 9.9e-75;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 105 GTGTTTCTAGGTCGTGGCGCTTCGGAGCTTTGGCGGAGCTTAGGGAGGATGGC 164
Db |||||||
QY 1948 GGAGTCTTCGGATAGCTCTATCGAGTCGAGTACGCCAAGAGCGGGCGCCCTCTTGCAA 2007
Db |||||||
QY 165 GGAGTCTTCGGATAGCTCTATCGAGTCGAGTACGCCAAGAGCGGGCGCCCTCTTGCAA 224
Db |||||||
QY 2008 GAAATGCAGGAGAGCATCCCAAGGACTCGCTCGGATGGCCATCATGGTGCAG 2062
Db |||||||
QY 225 GAAATGCAGGAGAGCATCCCAAGGACTCGCTCGGATGGCCATCATGGTGCAG 279
Db |||||||

RESULT 15

US-10-334-143-100
; Sequence 100, Application US/10334143
; Publication No. US20040009549A1
; GENERAL INFORMATION:
; APPLICANT: GRIGORIEV, IGOR VYACHESLAVOVICH
; APPLICANT: SUDARSANAM, SUCHA
; TITLE OF INVENTION: METHOD FOR DETECTING REMOTE HOMOLOGUES AND NOVEL
; FILE REFERENCE: 038602/1543
; CURRENT APPLICATION NUMBER: US/10/334,143
; PRIORITY FILING DATE: 2002-12-31
; PRIOR APPLICATION NUMBER: 60/343,169
; PRIORITY FILING DATE: 2001-12-31
; NUMBER OF SEQ ID NOS: 207
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 100
; LENGTH: 3861
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-334-143-100

Query Match 8.4%; Score 175; DB 17; Length 3861;
Best Local Similarity 100.0%; Pred. No. 9.9e-75;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTTCTAGGTCGTGGCGCTTCGGAGCTTTGGCGGAGCTTAGGGAGGATGGC 1947
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QY 107 GTGTTTCTAGGTCGTGGCGCTTCGGAGCTTTGGCGGAGCTTAGGGAGGATGGC 166
Db |||||||
QY 1948 GGAGTCTTCGGATAGCTCTATCGAGTCGAGTACGCCAAGAGCGGGCGCCCTCTTGCAA 2007
Db |||||||
QY 167 GGAGTCTTCGGATAGCTCTATCGAGTCGAGTACGCCAAGAGCGGGCGCCCTCTTGCAA 226
Db |||||||
QY 2008 GAAATGCAGGAGAGCATCCCAAGGACTCGCTCGGATGGCCATCATGGTGCAG 2062
Db |||||||
QY 227 GAAATGCAGGAGAGCATCCCAAGGACTCGCTCGGATGGCCATCATGGTGCAG 281
Db |||||||

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OM nucleic - nucleic search, using sw model

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Title: US-09-909-317-5_COPY_830_880

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Listing first 500 summaries

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and is derived by analysis of the total score distribution.

SUMMARIES

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C 3	36	70.6	182	4	US-09-513-999C-13589
C 4	35.4	69.4	205163	4	US-09-949-016-17009
C 5	35	68.6	636591	4	US-09-949-016-11808
C 6	35	68.6	636591	4	US-09-949-016-13388
C 7	34.8	68.2	601	4	US-09-949-016-22412
C 8	34.8	68.2	601	4	US-09-949-016-22414
C 9	34.8	68.2	601	4	US-09-949-016-154217
C 10	34.8	68.2	601	4	US-09-949-016-154219
C 11	34.8	68.2	64813	4	US-09-949-016-11957
C 12	34.8	68.2	70131	4	US-09-949-016-16064
C 13	34.6	67.8	601	4	US-09-949-016-142943
C 14	34.6	67.8	601	4	US-09-949-016-142944
C 15	34.6	67.8	601	4	US-09-949-016-142945
C 16	34.6	67.8	50368	4	US-09-949-016-13256
C 17	34.6	67.8	154605	4	US-09-949-016-11894
C 18	34.6	67.8	265038	4	US-09-949-016-15779
C 19	34	66.7	10959	4	US-09-949-016-13110
C 20	34	66.7	50000	3	US-09-146-053-4
C 21	34	66.7	80246	3	US-09-078-294-4
C 22	33.8	66.3	601	4	US-09-949-016-51612
C 23	33.6	65.9	1050	3	US-08-946-026-58
C 24	33.6	65.9	1497	3	US-08-946-026-58
C 25	33.6	65.9	57751	4	US-09-949-016-13631
C 26	33.6	65.9	132438	4	US-09-949-016-14349
C 27	33.6	65.9	132438	4	US-09-949-016-14350

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30	33.6	65.9	524032	4	US-09-949-016-16929	Sequence 16929, A
31	33.6	65.9	524032	4	US-09-949-016-16930	Sequence 16930, A
32	33.6	65.9	524032	4	US-09-949-016-16931	Sequence 16931, A
33	33.6	65.9	529885	4	US-09-949-016-14340	Sequence 14340, A
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36	33.6	65.9	529885	4	US-09-949-016-14343	Sequence 14343, A
37	33.6	65.9	529885	4	US-09-949-016-14344	Sequence 14344, A
38	33.6	65.9	529885	4	US-09-949-016-14345	Sequence 14345, A
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40	33.6	65.9	529885	4	US-09-949-016-14347	Sequence 14347, A
41	33.6	65.9	818128	4	US-09-949-016-14546	Sequence 14546, A
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45	33.6	65.9	818128	4	US-09-949-016-14550	Sequence 14550, A
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47	33.6	65.9	818128	4	US-09-949-016-14552	Sequence 14552, A
48	33.6	65.9	818128	4	US-09-949-016-14553	Sequence 14553, A
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59	33.6	65.9	818128	4	US-09-949-016-14565	Sequence 14565, A
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61	33.6	65.9	818128	4	US-09-949-016-14567	Sequence 14567, A
62	33.4	65.5	1725	4	US-09-484-848-12	Sequence 12, Appl
63	33.4	65.5	1725	4	US-09-484-848-13	Sequence 13, Appl
64	33.2	65.1	51	1	US-08-222-177A-317	Sequence 317, App
65	33.2	65.1	406	4	US-09-232-785-256	Sequence 256, App
66	33.2	65.1	601	4	US-09-949-016-22413	Sequence 22413, A
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74	33.2	65.1	601	4	US-09-949-016-98291	Sequence 98291, A
75	33.2	65.1	601	4	US-09-949-016-98557	Sequence 98557, A
76	33.2	65.1	601	4	US-09-949-016-98823	Sequence 98823, A
77	33.2	65.1	601	4	US-09-949-016-99089	Sequence 99089, A
78	33.2	65.1	601	4	US-09-949-016-99355	Sequence 99355, A
79	33.2	65.1	601	4	US-09-949-016-99621	Sequence 99621, A
80	33.2	65.1	601	4	US-09-949-016-99887	Sequence 99887, A
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82	33.2	65.1	601	4	US-09-949-016-100419	Sequence 100419, A
83	33.2	65.1	601	4	US-09-949-016-100685	Sequence 100685, A
84	33.2	65.1	601	4	US-09-949-016-100989	Sequence 100989, A
85	33.2	65.1	601	4	US-09-949-016-101255	Sequence 101255, A
86	33.2	65.1	601	4	US-09-949-016-101521	Sequence 101521, A
87	33.2	65.1	601	4	US-09-949-016-101787	Sequence 101787, A
88	33.2	65.1	601	4	US-09-949-016-141655	Sequence 141655, A
89	33.2	65.1	601	4	US-09-949-016-141656	Sequence 141656, A
90	33.2	65.1	601	4	US-09-949-016-141657	Sequence 141657, A
91	33.2	65.1	601	4	US-09-949-016-154218	Sequence 154218, A
92	33.2	65.1	601	4	US-09-949-016-168230	Sequence 168230, A
93	33.2	65.1	601	4	US-09-949-016-168291	Sequence 168291, A
94	33.2	65.1	601	4	US-09-949-016-177708	Sequence 177708, A
95	33.2	65.1	2026	4	US-09-023-655-921	Sequence 921, App
96	33.2	65.1	3976	4	US-09-244-805-37	Sequence 37, Appl
97	33.2	65.1	41804	4	US-09-949-016-12154	Sequence 12154, A
98	33.2	65.1	41893	4	US-09-949-016-14161	Sequence 14161, A
99	33.2	65.1	73818	4	US-09-949-016-16822	Sequence 16822, A
100	33.2	65.1	76221	4	US-09-949-016-12009	Sequence 12009, A

c 101	33.2	65.1	76221	4	US-09-949-016-17053	Sequence 17053, A	c 174	32	62.7	601	4	US-09-949-016-35439	Sequence 35439, A
c 102	33.2	65.1	96739	4	US-09-949-016-15606	Sequence 15606, A	c 175	32	62.7	601	4	US-09-949-016-36420	Sequence 36420, A
c 103	33.2	65.1	113966	4	US-09-949-016-12277	Sequence 12277, A	c 176	32	62.7	601	4	US-09-949-016-46432	Sequence 46432, A
c 104	33.2	65.1	113967	4	US-09-949-016-17051	Sequence 17051, A	c 177	32	62.7	601	4	US-09-949-016-135225	Sequence 135225, A
c 105	33.2	65.1	193169	4	US-09-949-016-15091	Sequence 15091, A	c 178	32	62.7	601	4	US-09-949-016-183326	Sequence 183326, A
c 106	33.2	65.1	225127	4	US-09-949-016-16480	Sequence 16480, A	c 179	32	62.7	601	4	US-09-949-016-183826	Sequence 183826, A
c 107	33.2	65.1	236964	4	US-09-949-016-15753	Sequence 15753, A	c 180	32	62.7	12681	4	US-09-949-016-16576	Sequence 16576, A
c 108	33.2	65.1	678533	4	US-09-949-016-14573	Sequence 14577, A	c 181	32	62.7	49309	4	US-09-949-016-12680	Sequence 12680, A
c 109	33.2	65.1	678533	4	US-09-949-016-14578	Sequence 14578, A	c 182	32	62.7	49309	4	US-09-949-016-13084	Sequence 13084, A
c 110	33	68.7	312	4	US-09-513-999C-34778	Sequence 34778, A	c 183	32	62.7	66175	4	US-09-949-016-12293	Sequence 12293, A
c 111	33	64.7	29614	4	US-09-949-016-12390	Sequence 12390, A	c 184	32	62.7	84558	4	US-09-949-016-15752	Sequence 15752, A
c 112	33	64.7	62072	4	US-09-949-016-16076	Sequence 16076, A	c 185	32	62.7	89625	4	US-09-949-016-17012	Sequence 17012, A
c 113	32.8	64.3	240	1	US-08-222-177A-25	Sequence 25, Appl	c 186	32	62.7	198632	4	US-09-949-016-12781	Sequence 12781, A
c 114	32.8	64.3	601	4	US-09-949-016-26103	Sequence 26103, A	c 187	32	62.7	198637	4	US-09-949-016-17393	Sequence 17393, A
c 115	32.8	64.3	601	4	US-09-949-016-26104	Sequence 26104, A	c 188	32	62.7	278866	4	US-09-949-016-13922	Sequence 13922, A
c 116	32.8	64.3	601	4	US-09-949-016-141658	Sequence 141658, A	c 189	32	62.7	278866	4	US-09-949-016-13923	Sequence 13923, A
c 117	32.8	64.3	601	4	US-09-949-016-168292	Sequence 168292, A	c 190	32	62.7	278866	4	US-09-949-016-13924	Sequence 13924, A
c 118	32.8	64.3	601	4	US-09-949-016-176008	Sequence 176008, A	c 191	32	62.7	278866	4	US-09-949-016-13925	Sequence 13925, A
c 119	32.8	64.3	601	4	US-09-949-016-176009	Sequence 176009, A	c 192	32	62.7	278866	4	US-09-949-016-13926	Sequence 13926, A
c 120	32.8	64.3	601	4	US-09-949-016-177709	Sequence 177709, A	c 193	32	62.7	278866	4	US-09-949-016-14699	Sequence 14699, A
c 121	32.8	64.3	22614	4	US-09-949-016-12148	Sequence 12148, A	c 194	32	62.7	278866	4	US-09-949-016-14700	Sequence 14700, A
c 122	32.8	64.3	22615	4	US-09-949-016-16745	Sequence 16745, A	c 195	32	62.7	278866	4	US-09-949-016-14701	Sequence 14701, A
c 123	32.6	63.9	601	4	US-09-949-016-15608	Sequence 15608, A	c 196	32	62.7	278866	4	US-09-949-016-14702	Sequence 14702, A
c 124	32.6	63.9	601	4	US-09-949-016-51609	Sequence 51609, A	c 197	32	62.7	278866	4	US-09-949-016-14703	Sequence 14703, A
c 125	32.6	63.9	601	4	US-09-949-016-51611	Sequence 51611, A	c 198	32	62.7	374159	4	US-09-949-016-15868	Sequence 15868, A
c 126	32.6	63.9	601	4	US-09-949-016-51613	Sequence 51613, A	c 199	31.8	62.4	601	4	US-09-949-016-88698	Sequence 88698, A
c 127	32.6	63.9	18400	4	US-09-901-151-3	Sequence 3, Appl	c 200	31.8	62.4	601	4	US-09-949-016-88698	Sequence 88698, A
c 128	32.6	63.9	63658	4	US-09-949-016-13238	Sequence 13238, A	c 201	31.8	62.4	601	4	US-09-949-016-149554	Sequence 149554, A
c 129	32.6	63.9	64489	4	US-09-949-016-11766	Sequence 11766, A	c 202	31.8	62.4	10041	4	US-09-671-317-168	Sequence 168, App
c 130	32.6	63.9	89892	4	US-09-949-016-13667	Sequence 13667, A	c 203	31.8	62.4	2040	1	US-08-393-985-17	Sequence 17, Appl
c 131	32.6	63.9	212139	4	US-09-949-016-16065	Sequence 16065, A	c 204	31.8	62.4	7044	4	US-09-949-016-14113	Sequence 14113, A
c 132	32.4	63.5	601	4	US-09-949-016-26105	Sequence 26105, A	c 205	31.8	62.4	15927	4	US-09-949-016-12228	Sequence 12228, A
c 133	32.4	63.5	601	4	US-09-949-016-29002	Sequence 29002, A	c 206	31.8	62.4	37195	4	US-09-949-016-13264	Sequence 13264, A
c 134	32.4	63.5	601	4	US-09-949-016-29003	Sequence 29003, A	c 207	31.8	62.4	41743	4	US-09-949-016-13796	Sequence 13796, A
c 135	32.4	63.5	601	4	US-09-949-016-29004	Sequence 29004, A	c 208	31.8	62.4	112507	4	US-09-949-016-12420	Sequence 12420, A
c 136	32.4	63.5	601	4	US-09-949-016-34573	Sequence 34573, A	c 209	31.8	62.4	112507	4	US-09-949-016-12794	Sequence 12794, A
c 137	32.4	63.5	601	4	US-09-949-016-40645	Sequence 40645, A	c 210	31.8	62.4	112508	4	US-09-949-016-16589	Sequence 16589, A
c 138	32.4	63.5	601	4	US-09-949-016-60558	Sequence 60558, A	c 211	31.8	62.4	112508	4	US-09-949-016-16590	Sequence 16590, A
c 139	32.4	63.5	601	4	US-09-949-016-148290	Sequence 148290, A	c 212	31.8	62.4	142490	4	US-09-949-016-15602	Sequence 15602, A
c 140	32.4	63.5	601	4	US-09-949-016-148291	Sequence 148291, A	c 213	31.8	62.4	156942	4	US-09-949-016-12227	Sequence 12227, A
c 141	32.4	63.5	601	4	US-09-949-016-148292	Sequence 148292, A	c 214	31.8	62.4	156950	4	US-09-949-016-15946	Sequence 15946, A
c 142	32.4	63.5	601	4	US-09-949-016-152809	Sequence 152809, A	c 215	31.8	62.4	161124	4	US-09-949-016-11760	Sequence 11760, A
c 143	32.4	63.5	601	4	US-09-949-016-176010	Sequence 176010, A	c 216	31.8	62.4	786431	4	US-09-751-389-3	Sequence 3, Appl
c 144	32.4	63.5	601	4	US-09-949-016-180085	Sequence 180085, A	c 217	31.6	62.0	57	1	US-08-222-177A-382	Sequence 382, App
c 145	32.4	63.5	601	4	US-09-949-016-192493	Sequence 192493, A	c 218	31.6	62.0	495	4	US-08-232-785-299	Sequence 299, App
c 146	32.4	63.5	601	4	US-09-949-016-192494	Sequence 192494, A	c 219	31.6	62.0	601	4	US-09-949-016-43236	Sequence 43236, A
c 147	32.4	63.5	35675	4	US-09-949-016-13505	Sequence 13505, A	c 220	31.6	62.0	601	4	US-09-949-016-43237	Sequence 43237, A
c 148	32.4	63.5	42894	4	US-09-949-016-12301	Sequence 12301, A	c 221	31.6	62.0	601	4	US-09-949-016-43465	Sequence 43465, A
c 149	32.4	63.5	42898	4	US-09-949-016-15904	Sequence 15904, A	c 222	31.6	62.0	601	4	US-09-949-016-43466	Sequence 43466, A
c 150	32.4	63.5	69263	4	US-09-949-016-12594	Sequence 12594, A	c 223	31.6	62.0	601	4	US-09-949-016-43694	Sequence 43694, A
c 151	32.4	63.5	68709	4	US-09-949-016-16036	Sequence 16036, A	c 224	31.6	62.0	601	4	US-09-949-016-43695	Sequence 43695, A
c 152	32.4	63.5	80595	3	US-09-078-294-3	Sequence 3, Appl	c 225	31.6	62.0	601	4	US-09-949-016-58216	Sequence 58216, A
c 153	32.4	63.5	100928	4	US-09-949-016-16926	Sequence 16926, A	c 226	31.6	62.0	601	4	US-09-949-016-58833	Sequence 58833, A
c 154	32.4	63.5	129415	4	US-09-949-016-16997	Sequence 16997, A	c 227	31.6	62.0	601	4	US-09-949-016-84448	Sequence 84448, A
c 155	32.4	63.5	187136	4	US-09-949-016-17231	Sequence 17231, A	c 228	31.6	62.0	601	4	US-09-949-016-87532	Sequence 87532, A
c 156	32.4	63.5	194933	4	US-09-949-016-14172	Sequence 14172, A	c 229	31.6	62.0	601	4	US-09-949-016-120347	Sequence 120347, A
c 157	32.2	63.1	601	4	US-09-949-016-24456	Sequence 24456, A	c 230	31.6	62.0	601	4	US-09-949-016-120348	Sequence 120348, A
c 158	32.2	63.1	601	4	US-09-949-016-51610	Sequence 51610, A	c 231	31.6	62.0	601	4	US-09-949-016-126664	Sequence 126664, A
c 159	32.2	63.1	601	4	US-09-949-016-52956	Sequence 52956, A	c 232	31.6	62.0	5514	4	US-09-966-880A-9	Sequence 9, Appl
c 160	32.2	63.1	601	4	US-09-949-016-88696	Sequence 88696, A	c 233	31.6	62.0	112054	5	PCT-US93-06251-23	Sequence 23, Appl
c 161	32.2	63.1	601	4	US-09-949-016-88697	Sequence 88697, A	c 234	31.6	62.0	11558	5	US-09-949-016-13942	Sequence 13942, A
c 162	32.2	63.1	601	4	US-09-949-016-143105	Sequence 143105, A	c 235	31.6	62.0	14684	4	US-09-949-016-12559	Sequence 12559, A
c 163	32.2	63.1	601	4	US-09-949-016-202403	Sequence 202403, A	c 236	31.6	62.0	51711	4	US-09-949-016-17338	Sequence 17338, A
c 164	32.2	63.1	601	4	US-09-949-016-202404	Sequence 202404, A	c 237	31.6	62.0	60110	4	US-09-949-016-17339	Sequence 17339, A
c 165	32.2	63.1	601	4	US-09-949-016-202405	Sequence 202405, A	c 238	31.6	62.0	60110	4	US-09-949-016-14144	Sequence 14144, A
c 166	32.2	63.1	64046	4	US-09-949-016-12560	Sequence 12560, A	c 239	31.6	62.0	61083	4	US-09-949-016-14145	Sequence 14145, A
c 167	32.2	63.1	64047	4	US-09-949-016-15781	Sequence 15781, A	c 240	31.6	62.0	61083	4	US-09-949-016-17278	Sequence 17278, A
c 168	32.2	63.1	84571	4	US-09-949-016-17420	Sequence 17420, A	c 241	31.6	62.0	80706	4	US-09-949-016-15347	Sequence 15347, A
c 169	32.2	63.1	148401	4	US-09-949-016-16151	Sequence 16151, A	c 242	31.6	62.0	80706	4	US-09-949-016-13430	Sequence 13430, A
c 170	32.2	63.1	174259	4	US-09-949-016-11968	Sequence 11968, A	c 243	31.6	62.0	87205	4	US-09-949-016-11900	Sequence 11900, A
c 171	32.2	63.1	174262	4	US-09-949-016-14259	Sequence 14259, A	c 244	31.6	62.0	89716	4	US-09-949-016-17103	Sequence 17103, A
c 172	32.2	63.1	254405	4	US-09-949-016-14381	Sequence 14381, A	c 245	31.6	62.0	96690	4	US-09-949-016-17103	Sequence 17103, A
c 173	32	62.7	514	4	US-09-232-785-269	Sequence 269, App	c 246	31.6	62.0	109250	4	US-09-949-016-12530	Sequence 12530, A


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RESULT 2
US-09-949-016-17468/c
; Sequence 17468, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-03
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17468
; LENGTH: 88906
; TYPE: DNA
; ORGANISM: Human
; NAME/KEY: misc feature
; LOCATION: (1)...(88906)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-17468

Query Match      72.2%; Score 36.8; DB 4; Length 88906;
Best Local Similarity 85.4%; Pred. No. 0.0022;
Matches 41; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 1 CCCATCTCTTTTTCACACACACACACACACACACACACAAATATCT 48
Db 76651 CACATCTCTTTTTCACACACACACACACACACACACACAGGTCT 76604

RESULT 3
US-09-513-999C-13589/c
; Sequence 13589, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 13589
; LENGTH: 182
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-513-999C-13589

Query Match      70.6%; Score 36; DB 4; Length 182;
Best Local Similarity 88.6%; Pred. No. 0.0012;
Matches 39; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 5 TCTCTTTTTCACACACACACACACACACACACACACAAATATCT 48
Db 180 TCTCTTTTTCACACACACACACACACACACACACACAAATTTAT 137

RESULT 4
US-09-949-016-17009
; Sequence 17009, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-03
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17009
; LENGTH: 205163
; TYPE: DNA
; ORGANISM: Human
; NAME/KEY: misc feature
; LOCATION: (1)...(636591)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-11808

Query Match      68.6%; Score 35; DB 4; Length 636591;
Best Local Similarity 80.4%; Pred. No. 0.014;
Matches 41; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy 1 CCCATCTCTTTTTCACACACACACACACACACACACACAAATATCTGAT 51
Db 399702 CACATCGCTTTTCTTTAAACACACACACACACACAAATTAAGAT 399652

RESULT 6
US-09-949-016-13388/c
; Sequence 13388, Application US/09949016
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; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: Fast-Seq for Windows Version 4.0

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; SEQ ID NO 142944
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-142944

Query Match          67.8%; Score 34.6; DB 4; Length 601;
Best Local Similarity 90.2%; Pred. No. 0.0048;
Matches 37; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 CCATCTCTTTTCTTACACACACACACACACACACAA 42
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Db 214 CCATTATTTCATTACACACACACACACACACACACA 254

RESULT 15
US-09-949-016-142945
; Sequence 142945, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 142945
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-142945

Query Match          67.8%; Score 34.6; DB 4; Length 601;
Best Local Similarity 90.2%; Pred. No. 0.0048;
Matches 37; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 CCATCTCTTTTCTTACACACACACACACACACACAA 42
   ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 397 CCATTATTTCATTACACACACACACACACACACACA 437

RESULT 16
US-09-949-016-13256/c
; Sequence 13256, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13256
; LENGTH: 50368
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13256

Query Match          67.8%; Score 34.6; DB 4; Length 50368;
Best Local Similarity 90.2%; Pred. No. 0.011; 4; Indels 0; Gaps 0;
Matches 37; Conservative 0; Mismatches 0;

QY 2 CCATCTCTTTTCTTACACACACACACACACACACAA 42
   ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 14026 CCCTCTCTCTCTTACACACACACACACACACACA 13986

RESULT 17
US-09-949-016-11894/c
; Sequence 11894, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11894
; LENGTH: 154605
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-11894

Query Match          67.8%; Score 34.6; DB 4; Length 154605;
Best Local Similarity 90.2%; Pred. No. 0.014; 4; Indels 0; Gaps 0;
Matches 37; Conservative 0; Mismatches 0;

QY 2 CCATCTCTTTTCTTACACACACACACACACACACAA 42
   ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 116529 CCATCCCTCTCTTACACACACACACACACACACA 116489

RESULT 18
US-09-949-016-15779/c
; Sequence 15779, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15779
; LENGTH: 265038
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(265038)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15779
```

```
Query Match      67.8%; Score 34.6; DB 4; Length 265038;
Best Local Similarity 90.2%; Pred. No. 0.016;
Matches 37; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 CCATCTCTTTTACACACACACACACACACACACAAA 42
Db 118877 CCATTATTTTACACACACACACACACACACACACA 118837

RESULT 19
US-09-949-016-13110/c
; Sequence 4, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13110
; LENGTH: 10959
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13110

Query Match      66.7%; Score 34; DB 4; Length 10959;
Best Local Similarity 88.1%; Pred. No. 0.014;
Matches 37; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 4 ATCTCTTTTACACACACACACACACACACACAAAATA 45
Db 9580 ATATATATATATACACACACACACACACACACACAAAATA 9539

RESULT 20
US-09-146-053-4/c
; Sequence 4, Application US/09146053A
; Patent No. 6399349
; GENERAL INFORMATION:
; APPLICANT: Ryan, James W.
; APPLICANT: Sprinkle, Terry Joe Curtis
; APPLICANT: Venema, Richard C.
; TITLE OF INVENTION: Human Aminopeptidase P Gene
; FILE REFERENCE: MCG103
; CURRENT APPLICATION NUMBER: US/09/146,053A
; CURRENT FILING DATE: 1998-09-02
; EARLIER APPLICATION NUMBER: 60/057,854
; EARLIER FILING DATE: 1997-09-02
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 50000
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-146-053-4

Query Match      66.7%; Score 34; DB 3; Length 50000;
Best Local Similarity 88.1%; Pred. No. 0.018;
Matches 37; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 CCCATCTCTTTTACACACACACACACACACACACAAA 42
Db 39824 CCCGCTCTCTCTACACACACACACACACACACACACA 39783
```

```
RESULT 21
US-09-078-294-4
; Sequence 4, Application US/09078294
; Patent No. 6265211
; GENERAL INFORMATION:
; APPLICANT: Choo, Kong-Hong Andy
; APPLICANT: Du Sart, Desiree
; APPLICANT: Cancilla, Michael R.
; TITLE OF INVENTION: A NOVEL NUCLEIC ACID MOLECULE
; FILE REFERENCE: Davies Col
; CURRENT APPLICATION NUMBER: US/09/078,294
; CURRENT FILING DATE: 1998-05-13
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 80246
; TYPE: DNA
; ORGANISM: Nucleotide sequence of NC-contig
US-09-078-294-4

Query Match      66.7%; Score 34; DB 3; Length 80246;
Best Local Similarity 88.1%; Pred. No. 0.02;
Matches 37; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 CCCATCTCTTTTACACACACACACACACACACACAAA 42
Db 52042 CCCACCTCTCTCTAGACACACACACACACACACACA 52083

RESULT 22
US-09-949-016-51612
; Sequence 51612, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 51612
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-51612

Query Match      66.3%; Score 33.8; DB 4; Length 601;
Best Local Similarity 80.9%; Pred. No. 0.0091;
Matches 38; Conservative 1; Mismatches 8; Indels 0; Gaps 0;

QY 2 CCATCTCTTTTACACACACACACACACACACACAAAATATCT 48
Db 288 CCATATATATATAYACACACACACACACACACACACACATATAT 334

RESULT 23
US-08-946-026-59/c
; Sequence 59, Application US/08946026
; Patent No. 6034218
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Twardzik, Daniel R.
; APPLICANT: Mitcham, Jennifer L.
```



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; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14349
; LENGTH: 132438
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(132438)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14349

Query Match      65.9%; Score 33.6; DB 4; Length 132438;
Best Local Similarity 90.0%; Pred. No. 0.03;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 CATCTCTTTCTTTACACACACACACACACACACACAAA 42
DB 82777 CATCTCTTTCTTTATACACACACATATACACACACACACA 82816

RESULT 27
US-09-949-016-14350
; Sequence 14350, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14350
; LENGTH: 132438
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(132438)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14350

Query Match      65.9%; Score 33.6; DB 4; Length 132438;
Best Local Similarity 90.0%; Pred. No. 0.03;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 CATCTCTTTCTTTACACACACACACACACACACACAAA 42
DB 82777 CATCTCTTTCTTTATACACACACATATACACACACACACA 82816

RESULT 28
US-09-949-016-14348
; Sequence 14348, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
```

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; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14348
; LENGTH: 151089
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(151089)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14348

Query Match      65.9%; Score 33.6; DB 4; Length 151089;
Best Local Similarity 90.0%; Pred. No. 0.031;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 CATCTCTTTCTTTACACACACACACACACACACACAAA 42
DB 107281 CATCTCTTTCTTTATACACACACATATACACACACACACA 107320

RESULT 29
US-09-949-016-16928
; Sequence 16928, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16928
; LENGTH: 524032
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(524032)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-16928

Query Match      65.9%; Score 33.6; DB 4; Length 524032;
Best Local Similarity 90.0%; Pred. No. 0.04;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 CATCTCTTTCTTTACACACACACACACACACACACAAA 42
DB 480224 CATCTCTTTCTTTATACACACACATATACACACACACACA 480263

RESULT 30
US-09-949-016-16929
; Sequence 16929, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
```

; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16929
; LENGTH: 524032
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(524032)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-16929

Query Match 65.9%; Score 33.6; DB 4; Length 524032;
Best Local Similarity 90.0%; Pred. No. 0.04;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 CATCTCTTTCTTATACACACACACACACACACACAAA 42
|||||
Db 480224 CATCTCTTCTATACACACACATACACACACACACA 480263

RESULT 31

US-09-949-016-16930
; Sequence 16930, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16930
; LENGTH: 524032
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(524032)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-16930

Query Match 65.9%; Score 33.6; DB 4; Length 524032;
Best Local Similarity 90.0%; Pred. No. 0.04;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 CATCTCTTTCTTATACACACACACACACACACACAAA 42
|||||
Db 480224 CATCTTCTTATACACACACATACACACACACACA 480263

RESULT 32

US-09-949-016-16931

; Sequence 16931, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16931
; LENGTH: 524032
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(524032)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-16931

Query Match 65.9%; Score 33.6; DB 4; Length 524032;
Best Local Similarity 90.0%; Pred. No. 0.04;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 CATCTCTTTCTTATACACACACACACACACACACAAA 42
|||||
Db 480224 CATCTTCTTATACACACATACACACACACACA 480263

RESULT 33

US-09-949-016-14340
; Sequence 14340, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14340
; LENGTH: 529885
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(529885)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14340

Query Match 65.9%; Score 33.6; DB 4; Length 529885;
Best Local Similarity 90.0%; Pred. No. 0.04;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 CATCTCTTTCTTATACACACACACACACACACACAAA 42
|||||
Db 480224 CATCTTCTTATACACACATACACACACACACA 480263

RESULT 34
US-09-949-016-14341
; Sequence 14341, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14341
; LENGTH: 529885
; TYPE: DNA
; ORGANISM: Human
; NAME/KEY: misc feature
; LOCATION: (1)...(529885)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14341

Query Match 65.9%; Score 33.6; DB 4; Length 529885;
Best Local Similarity 90.0%; Pred. No. 0.04;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 CATCTCTTTCTTATACACACACACACACACACACAAA 42
Db 480224 CATCTCTTTCTTATACACACATACACACACACACA 480263

RESULT 35
US-09-949-016-14342
; Sequence 14342, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14342
; LENGTH: 529885
; TYPE: DNA
; ORGANISM: Human
; NAME/KEY: misc feature
; LOCATION: (1)...(529885)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14342

Query Match 65.9%; Score 33.6; DB 4; Length 529885;
Best Local Similarity 90.0%; Pred. No. 0.04;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 CATCTCTTTCTTATACACACACACACACACACACAAA 42

Db 480224 CATCTCTTTCTTATACACACATACACACACACACA 480263

RESULT 36
US-09-949-016-14343
; Sequence 14343, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14343
; LENGTH: 529885
; TYPE: DNA
; ORGANISM: Human
; NAME/KEY: misc feature
; LOCATION: (1)...(529885)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14343

Query Match 65.9%; Score 33.6; DB 4; Length 529885;
Best Local Similarity 90.0%; Pred. No. 0.04;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 CATCTCTTTCTTATACACACACACACACACACACAAA 42
Db 480224 CATCTCTTTCTTATACACACATACACACACACACA 480263

RESULT 37
US-09-949-016-14344
; Sequence 14344, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14344
; LENGTH: 529885
; TYPE: DNA
; ORGANISM: Human
; NAME/KEY: misc feature
; LOCATION: (1)...(529885)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14344

Query Match 65.9%; Score 33.6; DB 4; Length 529885;
Best Local Similarity 90.0%; Pred. No. 0.04;

```
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 3 CATCTCTTTCTTTACACACACACACACACACACACAAA 42
| | | | | | | | | | | | | | | | | | | | | |
Db 480224 CATCTCTTTCTTATACACACATACACACACACACA 480263

RESULT 38
US-09-949-016-14345
; Sequence 14345, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14345
; LENGTH: 529885
; TYPE: DNA
; ORGANISM: Human
; NAME/KEY: misc_feature
; LOCATION: (1)...(529885)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14345

Query Match 65.9%; Score 33.6; DB 4; Length 529885;
Best Local Similarity 90.0%; Pred. No. 0.04;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 3 CATCTCTTTCTTTACACACACACACACACACACACAAA 42
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Db 480224 CATCTCTTTCTTATACACACATACACACACACACA 480263

RESULT 39
US-09-949-016-14346
; Sequence 14346, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14346
; LENGTH: 529885
; TYPE: DNA
; ORGANISM: Human
; NAME/KEY: misc_feature
; LOCATION: (1)...(529885)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14346
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Query Match 65.9%; Score 33.6; DB 4; Length 529885;
Best Local Similarity 90.0%; Pred. No. 0.04;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 3 CATCTCTTTCTTTACACACACACACACACACACACAAA 42
| | | | | | | | | | | | | | | | | | | | | |
Db 480224 CATCTCTTTCTTATACACACATACACACACACACA 480263

RESULT 40
US-09-949-016-14347
; Sequence 14347, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14347
; LENGTH: 529885
; TYPE: DNA
; ORGANISM: Human
; NAME/KEY: misc_feature
; LOCATION: (1)...(529885)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14347

Query Match 65.9%; Score 33.6; DB 4; Length 529885;
Best Local Similarity 90.0%; Pred. No. 0.04;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 3 CATCTCTTTCTTTACACACACACACACACACACACAAA 42
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Db 480224 CATCTCTTTCTTATACACACATACACACACACACA 480263

RESULT 41
US-09-949-016-14546
; Sequence 14546, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14546
; LENGTH: 818128
; TYPE: DNA
; ORGANISM: Human
; NAME/KEY: misc_feature
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14546
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; LOCATION: (1)...(818128)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14546

Query Match      65.9%; Score 33.6; DB 4; Length 818128;
Best Local Similarity 90.0%; Pred. No. 0.043; Indels 0; Gaps 0;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 3 CATCTCTTTCTTTACACACACACACACACACACACAAA 42
Db 288547 CACTTCTCTCTTTACACACACACACACACACACACA 288586

RESULT 42
US-09-949-016-14547
; Sequence 14547, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14547
; LENGTH: 818128
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(818128)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14547

Query Match      65.9%; Score 33.6; DB 4; Length 818128;
Best Local Similarity 90.0%; Pred. No. 0.043; Indels 0; Gaps 0;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 3 CATCTCTTTCTTTACACACACACACACACACACACAAA 42
Db 288547 CACTTCTCTCTTTACACACACACACACACACACACA 288586

RESULT 43
US-09-949-016-14548
; Sequence 14548, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14548
; LENGTH: 818128
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(818128)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14547

Query Match      65.9%; Score 33.6; DB 4; Length 818128;
Best Local Similarity 90.0%; Pred. No. 0.043; Indels 0; Gaps 0;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 3 CATCTCTTTCTTTACACACACACACACACACACACAAA 42
Db 288547 CACTTCTCTCTTTACACACACACACACACACACACA 288586

RESULT 44
US-09-949-016-14549
; Sequence 14549, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14549
; LENGTH: 818128
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
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; LOCATION: (1)...(818128)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14549

Query Match      65.9%; Score 33.6; DB 4; Length 818128;
Best Local Similarity 90.0%; Pred. No. 0.043; Indels 0; Gaps 0;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 3 CATCTCTTTCTTTACACACACACACACACACACACAAA 42
Db 288547 CACTTCTCTCTTTACACACACACACACACACACACA 288586

RESULT 45
US-09-949-016-14550
; Sequence 14550, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14550
; LENGTH: 818128
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(818128)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14549
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	;	PRIOR FILING DATE:	2000-09-08	
	;	NUMBER OF SEQ ID NOS:	207012	
	;	SOFTWARE:	FastSeq for Windows Version 4.0	
	;	SEQ ID NO	14552	
	;	LENGTH:	818128	
	;	TYPE:	DNA	
	;	ORGANISM:	Human	
	;	FEATURE:		
	;	NAME/KEY:	misc feature	
	;	LOCATION:	(1)...(818128)	
	;	OTHER INFORMATION:	n = A,T,C or G	
	;	US-09-949-016-14552		
	Query Match	65.9%; Score 33.6; DB 4; Length 818128;		
	Best Local Similarity	90.0%; Pred.No. 0.043;		
	Matches	36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;		
QY	3	CATCTCTTTTACACACACACACACACACAAA 42		
Db	288547	CACTTCCTCTTTACACACACACACACACACA 288586		
	RESULT 48			
	US-09-949-016-14553			
	; Sequence 14553, Application US/09949016			
	; Patent No. 6812339			
	; GENERAL INFORMATION:			
	; APPLICANT: VENTER, J. Craig et al.			
	; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF			
	; FILE REFERENCE: CL001307			
	; CURRENT APPLICATION NUMBER: US/09/949,016			
	; CURRENT FILING DATE: 2000-04-14			
	; PRIOR APPLICATION NUMBER: 60/241,755			
	; PRIOR FILING DATE: 2000-10-20			
	; PRIOR APPLICATION NUMBER: 60/237,768			
	; PRIOR FILING DATE: 2000-10-03			
	; PRIOR APPLICATION NUMBER: 60/231,498			
	; PRIOR FILING DATE: 2000-09-08			
	; NUMBER OF SEQ ID NOS: 207012			
	; SOFTWARE: FastSeq for Windows Version 4.0			
	; SEQ ID NO 14553			
	; LENGTH: 818128			
	; TYPE: DNA			
	; ORGANISM: Human			
	; FEATURE:			
	; NAME/KEY: misc feature			
	; LOCATION: (1)...(818128)			
	; OTHER INFORMATION: n = A,T,C or G			
	US-09-949-016-14553			
	Query Match	65.9%; Score 33.6; DB 4; Length 818128;		
	Best Local Similarity	90.0%; Pred.No. 0.043;		
	Matches	36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;		
QY	3	CATCTCTTTTACACACACACACACACACAAA 42		
Db	288547	CACTTCCTCTTTACACACACACACACACACA 288586		
	RESULT 49			
	US-09-949-016-14554			
	; Sequence 14554, Application US/09949016			
	; Patent No. 6812339			
	; GENERAL INFORMATION:			
	; APPLICANT: VENTER, J. Craig et al.			
	; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF			
	; FILE REFERENCE: CL001307			
	; CURRENT APPLICATION NUMBER: US/09/949,016			
	; CURRENT FILING DATE: 2000-04-14			
	; PRIOR APPLICATION NUMBER: 60/241,755			
	; PRIOR FILING DATE: 2000-10-20			
	; PRIOR APPLICATION NUMBER: 60/237,768			
	; PRIOR FILING DATE: 2000-10-03			
	; PRIOR APPLICATION NUMBER: 60/231,498			
	US-09-949-016-14554			

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OM nucleic - nucleic search, using sw model

Run on: June 2, 2005, 07:14:13 ; Search time 452.333 Seconds
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Title: US-09-909-317-5 COPY 830 880

Perfect score: 51

Sequence: 1 cccatctcttctttacaca.....acacacacaaaatatctgat 51

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Learning curve: IDENT11 ROC
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Searched: 5706582 seqs. 3073711274 residues

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Database : Published Applications NA: *

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16: /cgn2_6/ptodata/z/pubprna/USTUD_PUBCOMB.req
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17: /cgnz_6/ptrdata/z/pubphn/USIVE_PUBCOMB.seq
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19: /cgn2_6/ptdata/2/pubpna/US10_NEW_PUB:seq
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19: /cgn2_6/pubdata/2/pubppna/us10_new_pub_seq:
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20: /cqn2_6/ptodata/z/pubpna/csi1_new_pub.seq:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query			DB	ID	Description
	Score	Match	Length			
1	51	100.0	2085	11	US-09-909-317-5	Sequence 5, Appli
c	40.4	79.2	10619	14	US-10-239-676-2	Sequence 2, Appli
c	40.4	79.2	10619	15	US-10-311-455-44	Sequence 44, Appli
c	40.4	79.2	10619	15	US-10-240-453-2	Sequence 2, Appli
c	40.4	79.2	10619	17	US-10-240-589C-2	Sequence 2, Appli
c	38.6	75.7	400	18	US-10-674-124A-3039	Sequence 3039, Ap
c	37.4	73.3	154	18	US-10-674-124A-10920	Sequence 10920, A
c	37	72.5	621	18	US-10-357-930-55243	Sequence 55243, A
c	36.8	72.2	104245	17	US-10-160-807-4	Sequence 4, Appli
c	36.8	72.2	104245	17	US-10-655-847-4	Sequence 4, Appli
c	36.8	72.2	170245	18	US-10-717-597-322	Sequence 322, App

85	34	66.7	407	13	US-10-027-632-295970	Sequence 295970, A	158	33.2	65.1	183	18	US-10-674-124A-22648	Sequence 22648, A
86	34	66.7	407	13	US-10-027-632-295971	Sequence 295971, A	159	33.2	65.1	187	18	US-10-674-124A-27073	Sequence 27073, A
87	34	66.7	407	17	US-10-027-632-295970	Sequence 295970, A	c 160	33.2	65.1	193	18	US-10-674-124A-1892	Sequence 1892, A
88	34	66.7	407	17	US-10-027-632-295971	Sequence 295971, A	c 161	33.2	65.1	195	18	US-10-674-124A-14955	Sequence 14955, A
89	34	66.7	419	18	US-10-674-124A-23317	Sequence 23317, A	c 162	33.2	65.1	197	18	US-10-674-124A-21012	Sequence 21012, A
90	34	66.7	746	17	US-10-012-697-1053	Sequence 1053, A	c 163	33.2	65.1	201	18	US-10-719-993-16343	Sequence 16343, A
91	34	66.7	825	17	US-10-012-697-1336	Sequence 1336, A	c 164	33.2	65.1	203	18	US-10-674-124A-13670	Sequence 13670, A
92	34	66.7	8145	10	US-09-764-891-8906	Sequence 8906, A	c 165	33.2	65.1	210	18	US-10-674-124A-23432	Sequence 23432, A
93	34	66.7	8147	10	US-09-764-891-8905	Sequence 8905, A	c 166	33.2	65.1	212	18	US-10-674-124A-8634	Sequence 8634, A
94	34	66.7	30306	13	US-10-087-192-523	Sequence 523, A	c 167	33.2	65.1	221	18	US-10-674-124A-15161	Sequence 15161, A
95	34	66.7	80246	10	US-09-728-552-4	Sequence 4, A	c 168	33.2	65.1	228	18	US-10-674-124A-6606	Sequence 6606, A
96	34	66.7	116422	13	US-10-087-192-1195	Sequence 1195, A	c 169	33.2	65.1	224	18	US-10-674-124A-25855	Sequence 25855, A
97	34	66.7	151152	18	US-10-775-169-243	Sequence 243, A	c 170	33.2	65.1	227	18	US-10-674-124A-6858	Sequence 6858, A
98	34	66.7	161671	15	US-10-017-117-1	Sequence 1, A	c 171	33.2	65.1	228	18	US-10-674-124A-23664	Sequence 23664, A
99	33.8	66.3	152	18	US-10-674-124A-20900	Sequence 20900, A	c 172	33.2	65.1	229	18	US-10-674-124A-23830	Sequence 23830, A
100	33.8	66.3	159	18	US-10-674-124A-6186	Sequence 6186, A	c 173	33.2	65.1	229	18	US-10-674-124A-25872	Sequence 25872, A
101	33.8	66.3	166	18	US-10-674-124A-1217	Sequence 1217, A	c 174	33.2	65.1	232	18	US-10-674-124A-21706	Sequence 21706, A
102	33.8	66.3	201	18	US-10-719-993-8178	Sequence 8178, A	c 175	33.2	65.1	238	18	US-10-674-124A-3590	Sequence 3590, A
103	33.8	66.3	201	18	US-10-719-993-48993	Sequence 48993, A	c 176	33.2	65.1	241	18	US-10-674-124A-4810	Sequence 4810, A
104	33.8	66.3	201	18	US-10-719-993-52708	Sequence 52708, A	c 177	33.2	65.1	254	18	US-10-674-124A-19938	Sequence 19938, A
105	33.8	66.3	373	16	US-10-276-401-22	Sequence 22, A	c 178	33.2	65.1	266	18	US-10-674-124A-10462	Sequence 10462, A
106	33.8	66.3	401	9	US-09-795-668-874	Sequence 874, A	c 179	33.2	65.1	267	18	US-10-674-124A-19909	Sequence 19909, A
107	33.8	66.3	401	9	US-09-795-686-874	Sequence 874, A	c 180	33.2	65.1	267	18	US-10-674-124A-1764	Sequence 1764, A
108	33.8	66.3	401	9	US-09-946-807-874	Sequence 874, A	c 181	33.2	65.1	282	18	US-10-674-124A-7421	Sequence 7421, A
109	33.8	66.3	407	18	US-10-674-124A-20996	Sequence 20996, A	c 182	33.2	65.1	285	18	US-10-674-124A-20891	Sequence 20891, A
110	33.8	66.3	414	9	US-09-795-668-1456	Sequence 1456, A	c 183	33.2	65.1	326	18	US-10-674-124A-22715	Sequence 22715, A
111	33.8	66.3	414	9	US-09-795-686-1456	Sequence 1456, A	c 184	33.2	65.1	326	18	US-10-674-124A-22715	Sequence 22715, A
112	33.8	66.3	414	9	US-09-946-807-1456	Sequence 1456, A	c 185	33.2	65.1	337	18	US-10-674-124A-11376	Sequence 11376, A
113	33.8	66.3	438	18	US-10-674-124A-37000	Sequence 37000, A	c 186	33.2	65.1	350	18	US-10-674-124A-20941	Sequence 20941, A
114	33.8	66.3	578	13	US-10-027-632-261657	Sequence 261657, A	c 187	33.2	65.1	361	18	US-10-674-124A-26232	Sequence 26232, A
115	33.8	66.3	578	17	US-10-027-632-261657	Sequence 261657, A	c 188	33.2	65.1	376	18	US-10-674-124A-4809	Sequence 4809, A
116	33.8	66.3	581	19	US-10-643-775-872	Sequence 872, A	c 189	33.2	65.1	379	18	US-10-674-124A-3734	Sequence 3734, A
117	33.8	66.3	49736	18	US-10-719-993-7050	Sequence 7050, A	c 190	33.2	65.1	406	10	US-09-232-785-256	Sequence 256, A
118	33.8	66.3	55005	18	US-10-719-993-6968	Sequence 6968, A	c 191	33.2	65.1	406	18	US-10-674-124A-4031	Sequence 4031, A
119	33.8	66.3	318760	18	US-10-719-993-6765	Sequence 6765, A	c 192	33.2	65.1	412	18	US-10-674-124A-13067	Sequence 13067, A
120	33.8	66.3	1503841	9	US-09-795-668-1	Sequence 1, A	c 193	33.2	65.1	442	18	US-10-674-124A-8778	Sequence 8778, A
121	33.8	66.3	1503841	9	US-09-795-686-1	Sequence 1, A	c 194	33.2	65.1	453	18	US-10-674-124A-4760	Sequence 4760, A
122	33.8	66.3	1503841	9	US-09-946-807-1	Sequence 1, A	c 195	33.2	65.1	470	18	US-10-674-124A-26116	Sequence 26116, A
123	33.6	65.9	201	18	US-10-741-601-18511	Sequence 18511, A	c 196	33.2	65.1	472	18	US-10-674-124A-3247	Sequence 3247, A
124	33.6	65.9	201	18	US-10-719-993-17671	Sequence 17671, A	c 197	33.2	65.1	480	18	US-10-674-124A-25240	Sequence 25240, A
125	33.6	65.9	201	19	US-10-741-600-50238	Sequence 50238, A	c 198	33.2	65.1	525	18	US-10-767-701-3970	Sequence 3970, A
126	33.6	65.9	255	18	US-10-674-124A-9534	Sequence 9534, A	c 199	33.2	65.1	642	13	US-10-027-632-202436	Sequence 202436, A
127	33.6	65.9	262	18	US-10-674-124A-3604	Sequence 3604, A	c 200	33.2	65.1	642	13	US-10-027-632-202436	Sequence 202436, A
128	33.6	65.9	313	18	US-10-674-124A-12894	Sequence 12894, A	c 201	33.2	65.1	647	13	US-10-027-632-132521	Sequence 132521, A
129	33.6	65.9	389	18	US-10-674-124A-6030	Sequence 6030, A	c 202	33.2	65.1	647	13	US-10-027-632-247626	Sequence 247626, A
130	33.6	65.9	397	18	US-10-674-124A-26533	Sequence 26533, A	c 203	33.2	65.1	647	17	US-10-027-632-132521	Sequence 132521, A
131	33.6	65.9	444	18	US-10-674-124A-23351	Sequence 23351, A	c 204	33.2	65.1	647	17	US-10-027-632-247626	Sequence 247626, A
132	33.6	65.9	454	18	US-10-674-124A-7657	Sequence 7657, A	c 205	33.2	65.1	650	13	US-10-027-632-200177	Sequence 200177, A
133	33.6	65.9	454	18	US-10-674-124A-10161	Sequence 10161, A	c 206	33.2	65.1	650	13	US-10-027-632-200177	Sequence 200177, A
134	33.6	65.9	21666	17	US-10-052-482-208	Sequence 208, A	c 207	33.2	65.1	650	17	US-10-027-632-200178	Sequence 200178, A
135	33.6	65.9	91609	18	US-10-322-696-109	Sequence 109, A	c 208	33.2	65.1	650	17	US-10-027-632-200178	Sequence 200178, A
136	33.6	65.9	14280	18	US-10-719-993-6808	Sequence 6808, A	c 209	33.2	65.1	653	13	US-10-027-632-233005	Sequence 233005, A
137	33.6	65.9	561515	19	US-10-741-601-5682	Sequence 5682, A	c 210	33.2	65.1	653	17	US-10-027-632-233005	Sequence 233005, A
138	33.6	65.9	561515	19	US-10-741-601-5682	Sequence 17730, A	c 211	33.2	65.1	660	19	US-10-643-775-782	Sequence 782, A
139	33.4	65.5	221	18	US-10-674-124A-12998	Sequence 12998, A	c 212	33.2	65.1	683	17	US-10-027-632-110427	Sequence 110427, A
140	33.4	65.5	388	18	US-10-674-124A-7596	Sequence 7596, A	c 213	33.2	65.1	683	17	US-10-027-632-110427	Sequence 110427, A
141	33.4	65.5	454	18	US-10-674-124A-8030	Sequence 8030, A	c 214	33.2	65.1	686	13	US-10-027-632-244262	Sequence 244262, A
142	33.4	65.5	464	18	US-10-674-124A-8134	Sequence 8134, A	c 215	33.2	65.1	686	17	US-10-027-632-244262	Sequence 244262, A
143	33.4	65.5	516	13	US-10-027-632-41205	Sequence 41205, A	c 216	33.2	65.1	686	17	US-10-027-632-244262	Sequence 244262, A
144	33.4	65.5	516	17	US-10-027-632-41205	Sequence 41205, A	c 217	33.2	65.1	686	17	US-10-027-632-244262	Sequence 244262, A
145	33.4	65.5	107280	18	US-10-322-281-155	Sequence 155, A	c 218	33.2	65.1	835	13	US-10-027-632-174012	Sequence 174012, A
146	33.4	65.5	203070	13	US-10-087-192-247	Sequence 247, A	c 219	33.2	65.1	835	17	US-10-027-632-174012	Sequence 174012, A
147	33.2	65.1	120	18	US-10-674-124A-546	Sequence 546, A	c 220	33.2	65.1	835	17	US-10-027-632-174013	Sequence 174013, A
148	33.2	65.1	122	18	US-10-674-124A-5823	Sequence 5823, A	c 221	33.2	65.1	835	17	US-10-027-632-174013	Sequence 174013, A
149	33.2	65.1	126	18	US-10-674-124A-7586	Sequence 7586, A	c 222	33.2	65.1	844	13	US-10-027-632-159153	Sequence 159153, A
150	33.2	65.1	132	18	US-10-674-124A-4784	Sequence 4784, A	c 223	33.2	65.1	844	13	US-10-027-632-159154	Sequence 159154, A
151	33.2	65.1	134	18	US-10-674-124A-16595	Sequence 16595, A	c 224	33.2	65.1	844	17	US-10-027-632-159153	Sequence 159153, A
152	33.2	65.1	148	18	US-10-674-124A-8362	Sequence 8362, A	c 225	33.2	65.1	844	17	US-10-027-632-159154	Sequence 159154, A
153	33.2	65.1	170	18	US-10-674-124A-14562	Sequence 14562, A	c 226	33.2	65.1	2026	15	US-10-207-655-92	Sequence 92, A
154	33.2	65.1	172	18	US-10-674-124A-22858	Sequence 22858, A	c 227	33.2	65.1	2026	17	US-10-641-643-921	Sequence 921, A
155	33.2	65.1	178	18	US-10-674-124A-25856	Sequence 25856, A	c 228	33.2	65.1	2287	13	US-10-027-632-259035	Sequence 259035, A
156	33.2	65.1	179	18	US-10-674-124A-14628	Sequence 14628, A	c 229	33.2	65.1	2287	13	US-10-027-632-259036	Sequence 259036, A
157	33.2	65.1	181	18	US-10-674-124A-23512	Sequence 23512, A	c 230	33.2	65.1	2287	13	US-10-027-632-259037	Sequence 259037, A

C 231	33.2	65.1	2287	17	US-10-027-632-259035	Sequence 259035, .	304	32.6	63.9	257	18	US-10-674-124A-9804	Sequence 9804, Ap
C 232	33.2	65.1	2287	17	US-10-027-632-259036	Sequence 259036, .	305	32.6	63.9	258	18	US-10-674-124A-14222	Sequence 14222, A
C 233	33.2	65.1	2287	17	US-10-027-632-259037	Sequence 259037, .	C 306	32.6	63.9	259	18	US-10-674-124A-1485	Sequence 1485, A
C 234	33.2	65.1	3277	13	US-10-027-632-257386	Sequence 257386, .	307	32.6	63.9	307	18	US-10-674-124A-3747	Sequence 3747, Ap
C 235	33.2	65.1	3277	13	US-10-027-632-257386	Sequence 257386, .	C 308	32.6	63.9	307	18	US-10-674-124A-2459	Sequence 2459, Ap
C 236	33.2	65.1	3277	13	US-10-027-632-257386	Sequence 257386, .	C 309	32.6	63.9	307	18	US-10-674-124A-26211	Sequence 26211, A
C 237	33.2	65.1	3976	10	US-09-245-277-37	Sequence 37, Appl	C 310	32.6	63.9	362	18	US-10-674-124A-4546	Sequence 4546, Ap
C 238	33.2	65.1	3976	18	US-10-752-481-37	Sequence 37, Appl	C 311	32.6	63.9	396	18	US-10-674-124A-20513	Sequence 20513, A
C 239	33.2	65.1	6046	14	US-09-244-805-37	Sequence 37, Appl	C 312	32.6	63.9	405	18	US-10-674-124A-2516	Sequence 2516, Ap
C 240	33.2	65.1	6046	14	US-10-239-676-15	Sequence 23, Appl	C 313	32.6	63.9	408	18	US-10-674-124A-13321	Sequence 13321, A
C 241	33.2	65.1	23070	17	US-10-052-482-13	Sequence 13, Appl	C 314	32.6	63.9	432	18	US-10-674-124A-15297	Sequence 15297, A
C 242	33.2	65.1	33454	13	US-10-087-192-1111	Sequence 1111, Ap	C 315	32.6	63.9	442	18	US-10-674-124A-18891	Sequence 18891, A
C 243	33.2	65.1	44979	17	US-10-232-798-641	Sequence 641, App	C 316	32.6	63.9	462	18	US-10-674-124A-5202	Sequence 5202, Ap
C 244	33.2	65.1	63686	13	US-10-087-192-466	Sequence 466, App	C 317	32.6	63.9	484	18	US-10-674-124A-2970	Sequence 2970, Ap
C 245	33.2	65.1	70043	18	US-10-304-113-4	Sequence 4, Appl	C 318	32.6	63.9	645	13	US-10-027-632-135001	Sequence 135001, .
C 246	33.2	65.1	96593	17	US-10-052-482-67	Sequence 67, Appl	C 319	32.6	63.9	645	17	US-10-027-632-135001	Sequence 135001, .
C 247	33.2	65.1	96595	17	US-10-052-482-232	Sequence 232, App	C 320	32.6	63.9	653	13	US-10-027-632-204531	Sequence 204531, .
C 248	33.2	65.1	157875	10	US-09-935-464-1	Sequence 1, Appl	C 321	32.6	63.9	653	17	US-10-027-632-204531	Sequence 204531, .
C 249	33.2	65.1	157875	14	US-10-125-835-1	Sequence 1, Appl	C 322	32.6	63.9	1808	17	US-10-108-260A-382	Sequence 382, App
C 250	33.2	65.1	178825	13	US-10-087-192-1945	Sequence 1945, Ap	C 323	32.6	63.9	3340	13	US-10-027-632-115451	Sequence 115451, .
C 251	33.2	65.1	199130	19	US-10-741-600-17617	Sequence 17617, A	C 324	32.6	63.9	3340	17	US-10-027-632-115451	Sequence 115451, .
C 252	33.2	65.1	274869	19	US-10-741-600-17650	Sequence 17650, A	C 325	32.6	63.9	3589	9	US-09-764-847-1122	Sequence 1122, Ap
C 253	33	64.7	119	18	US-10-674-124A-18166	Sequence 18166, A	C 326	32.6	63.9	3589	14	US-10-092-154-1122	Sequence 1122, Ap
C 254	33	64.7	168	18	US-10-674-124A-26660	Sequence 26660, A	C 327	32.6	63.9	3590	9	US-09-764-847-1121	Sequence 1121, Ap
C 255	33	64.7	202	18	US-10-674-124A-26436	Sequence 26436, A	C 328	32.6	63.9	3590	14	US-10-092-154-1121	Sequence 1121, Ap
C 256	33	64.7	226	18	US-10-674-124A-8642	Sequence 8642, Ap	C 329	32.6	63.9	8842	15	US-10-311-455-1422	Sequence 1422, Ap
C 257	33	64.7	232	18	US-10-674-124A-9562	Sequence 9562, Ap	C 330	32.6	63.9	8842	17	US-10-240-454-30	Sequence 30, Appl
C 258	33	64.7	259	18	US-10-674-124A-13037	Sequence 13037, A	C 331	32.6	63.9	15065	19	US-10-741-600-17874	Sequence 17874, A
C 259	33	64.7	261	18	US-10-674-124A-20787	Sequence 20787, A	C 332	32.6	63.9	18400	9	US-09-901-151-3	Sequence 3, Appl
C 260	33	64.7	262	18	US-10-674-124A-25810	Sequence 25810, A	C 333	32.6	63.9	18400	17	US-10-611-945-3	Sequence 3, Appl
C 261	33	64.7	305	18	US-10-674-124A-15157	Sequence 15157, A	C 334	32.6	63.9	49744	9	US-09-927-091-4	Sequence 4, Appl
C 262	33	64.7	377	18	US-10-674-124A-11568	Sequence 11568, A	C 335	32.6	63.9	176001	17	US-10-210-556-27	Sequence 27, Appl
C 263	33	64.7	384	18	US-10-674-124A-17195	Sequence 17195, A	C 336	32.6	63.9	186739	13	US-10-210-556-19	Sequence 19, Appl
C 264	33	64.7	550	17	US-10-012-697-1093	Sequence 1093, Ap	C 337	32.6	63.9	228139	13	US-10-087-192-232	Sequence 232, App
C 265	33	64.7	3952	17	US-10-221-714A-7	Sequence 7, Appl	C 338	32.6	63.9	244126	19	US-10-741-600-17745	Sequence 17745, A
C 266	33	64.7	5179	15	US-10-311-455-1969	Sequence 1969, Ap	C 339	32.6	63.9	247461	13	US-10-322-281-131	Sequence 111, App
C 267	33	64.7	5179	15	US-10-240-453-277	Sequence 277, App	C 340	32.6	63.9	350764	13	US-10-087-192-1864	Sequence 1864, App
C 268	33	64.7	7977	15	US-10-311-455-2061	Sequence 2061, Ap	C 341	32.4	63.5	122	18	US-10-674-124A-20436	Sequence 20436, A
C 269	33	64.7	8725	19	US-10-921-590-80	Sequence 80, Appl	C 342	32.4	63.5	163	18	US-10-674-124A-13518	Sequence 13518, A
C 270	33	64.7	43799	13	US-10-087-192-1081	Sequence 1081, Ap	C 343	32.4	63.5	184	18	US-10-674-124A-25194	Sequence 25194, A
C 271	33	64.7	48652	13	US-10-087-192-859	Sequence 859, App	C 344	32.4	63.5	186	18	US-10-674-124A-18951	Sequence 18951, A
C 272	33	64.7	78072	13	US-10-085-117-154	Sequence 154, App	C 345	32.4	63.5	193	18	US-10-674-124A-18662	Sequence 18662, A
C 273	33	64.7	108773	19	US-10-741-600-17907	Sequence 17907, A	C 346	32.4	63.5	197	18	US-10-674-124A-9653	Sequence 9653, Ap
C 274	32.8	64.3	100	18	US-10-674-124A-26809	Sequence 26809, A	C 347	32.4	63.5	222	18	US-10-674-124A-12921	Sequence 12921, A
C 275	32.8	64.3	178	18	US-10-674-124A-19783	Sequence 19783, A	C 348	32.4	63.5	223	18	US-10-674-124A-1724	Sequence 1724, Ap
C 276	32.8	64.3	201	18	US-10-719-993-16153	Sequence 16153, A	C 349	32.4	63.5	229	18	US-10-674-124A-26537	Sequence 26537, A
C 277	32.8	64.3	218	18	US-10-674-124A-21092	Sequence 21092, A	C 350	32.4	63.5	252	18	US-10-674-124A-16290	Sequence 16290, A
C 278	32.8	64.3	222	18	US-10-674-124A-19519	Sequence 19519, A	C 351	32.4	63.5	257	18	US-10-674-124A-24641	Sequence 24641, A
C 279	32.8	64.3	266	18	US-10-674-124A-5307	Sequence 5307, Ap	C 352	32.4	63.5	258	18	US-10-674-124A-12335	Sequence 12335, A
C 280	32.8	64.3	325	18	US-10-674-124A-20416	Sequence 20416, A	C 353	32.4	63.5	315	18	US-10-674-124A-17743	Sequence 17743, A
C 281	32.8	64.3	334	18	US-10-674-124A-14298	Sequence 14298, A	C 354	32.4	63.5	320	18	US-10-674-124A-7610	Sequence 7610, Ap
C 282	32.8	64.3	394	9	US-09-960-352-14065	Sequence 14065, A	C 355	32.4	63.5	324	18	US-10-674-124A-24268	Sequence 24268, A
C 283	32.8	64.3	404	18	US-10-674-124A-808	Sequence 808, App	C 356	32.4	63.5	345	18	US-10-674-124A-28260	Sequence 28260, A
C 284	32.8	64.3	427	18	US-10-674-124A-6940	Sequence 6940, Ap	C 357	32.4	63.5	349	18	US-10-674-124A-17470	Sequence 17470, A
C 285	32.8	64.3	1803	17	US-10-108-260A-1065	Sequence 1065, Ap	C 358	32.4	63.5	384	18	US-10-674-124A-20672	Sequence 20672, A
C 286	32.8	64.3	3230	17	US-10-108-260A-2392	Sequence 2392, Ap	C 359	32.4	63.5	402	18	US-10-674-124A-12334	Sequence 12334, A
C 287	32.8	64.3	5365	13	US-10-027-632-257387	Sequence 257387, .	C 360	32.4	63.5	425	18	US-10-674-124A-26301	Sequence 26301, A
C 288	32.8	64.3	5365	17	US-10-027-632-257387	Sequence 257387, .	C 361	32.4	63.5	426	18	US-10-674-124A-14136	Sequence 14136, A
C 289	32.8	64.3	34073	13	US-10-087-192-535	Sequence 535, App	C 362	32.4	63.5	429	18	US-10-674-124A-9224	Sequence 9224, Ap
C 290	32.8	64.3	191597	18	US-10-719-993-6802	Sequence 6802, Ap	C 363	32.4	63.5	430	18	US-10-674-124A-6102	Sequence 6102, Ap
C 291	32.8	64.3	339234	18	US-10-322-696-73	Sequence 73, Appl	C 364	32.4	63.5	430	18	US-10-674-124A-3801	Sequence 3801, Ap
C 292	32.6	63.9	145	18	US-10-674-124A-6915	Sequence 6915, Ap	C 365	32.4	63.5	435	18	US-10-674-124A-21271	Sequence 21271, A
C 293	32.6	63.9	149	18	US-10-674-124A-19849	Sequence 19849, A	C 366	32.4	63.5	446	18	US-10-674-124A-23287	Sequence 23287, A
C 294	32.6	63.9	157	18	US-10-674-124A-19848	Sequence 19848, A	C 367	32.4	63.5	454	18	US-10-674-124A-14054	Sequence 14054, A
C 295	32.6	63.9	201	19	US-10-741-600-52484	Sequence 52484, A	C 368	32.4	63.5	472	18	US-10-674-124A-23158	Sequence 23158, A
C 296	32.6	63.9	201	19	US-10-741-600-52486	Sequence 52486, A	C 369	32.4	63.5	491	13	US-10-027-632-276803	Sequence 276803, .
C 297	32.6	63.9	201	19	US-10-741-600-52489	Sequence 52489, A	C 370	32.4	63.5	491	17	US-10-027-632-276804	Sequence 276804, .
C 298	32.6	63.9	201	19	US-10-741-600-52492	Sequence 52492, A	C 371	32.4	63.5	491	13	US-10-027-632-276803	Sequence 276803, .
C 299	32.6	63.9	201	19	US-10-741-600-52495	Sequence 52495, A	C 372	32.4	63.5	491	17	US-10-027-632-276804	Sequence 276804, .
C 300	32.6	63.9	201	19	US-10-741-600-52497	Sequence 52497, A	C 373	32.4	63.5	542	13	US-10-027-632-142595	Sequence 142595, .
C 301	32.6	63.9	201	19	US-10-741-600-52500	Sequence 52500, A	C 374	32.4	63.5	542	17	US-10-027-632-142595	Sequence 142595, .
C 302	32.6	63.9	201	19	US-10-741-600-52502	Sequence 52502, A	C 375	32.4	63.5	578	13	US-10-027-632-238053	Sequence 238053, .
C 303	32.6	63.9	250	18	US-10-674-124A-17002	Sequence 17002, A	C 376	32.4	63.5	578	17	US-10-027-632-238053	Sequence 238053, .


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; LENGTH: 2085
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-317-5

Query Match      100.0%; Score 51; DB 11; Length 2085;
Best Local Similarity 100.0%; Pred. No. 5.6e-08;
Matches 51; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCCATCTCTTTTACACACACACACACACACACACACACACAAATATCTGAT 51
    |||||
Db 830 CCCATCTCTTTTACACACACACACACACACACACACACACAAATATCTGAT 880

RESULT 2
US-10-239-676-2/c
; Sequence 2, Application US/10239676
; Publication No. US20030082609A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with Gene Regulation
; FILE REFERENCE: 5013.1003
; CURRENT APPLICATION NUMBER: US/10/239,676
; PRIOR FILING DATE: 2002-09-24
; PRIOR APPLICATION NUMBER: PCT/EP01/03968
; DE 10019058.8
; DE 10019173.8
; DE 10032529.7
; DE 10043826.1
; PRIOR FILING DATE: 2001-04-06
; 2000-04-07
; 2000-04-07
; 2000-06-30
; 2000-09-01
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 2
; LENGTH: 10619
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-239-676-2

Query Match      79.2%; Score 40.4; DB 14; Length 10619;
Best Local Similarity 97.6%; Pred. No. 0.00036;
Matches 41; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CCCATCTCTTTTACACACACACACACACACACACACACACAAA 42
    |||||
Db 6678 CCCATCTCTTTTACACACACACACACACACACACACACACACA 6637

RESULT 3
US-10-311-455-44/c
; Sequence 44, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determining Cytosine Methylation
; FILE REFERENCE: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311,455
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
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; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 44
; LENGTH: 10619
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-44

Query Match      79.2%; Score 40.4; DB 15; Length 10619;
Best Local Similarity 97.6%; Pred. No. 0.00036;
Matches 41; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CCCATCTCTTTTACACACACACACACACACACACACACACAAA 42
    |||||
Db 6678 CCCATCTCTTTTACACACACACACACACACACACACACACACA 6637

RESULT 4
US-10-240-453-2/c
; Sequence 2, Application US/10240453
; Publication No. US20030148326A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA
; TITLE OF INVENTION: by Means of Assessing the Methylation Status of Genes Associated
; TITLE OF INVENTION: Transcription
; TITLE OF INVENTION: With DNA Transcription
; FILE REFERENCE: 5013.1009
; CURRENT APPLICATION NUMBER: US/10/240,453
; CURRENT FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: PCT/EP01/03973
; PRIOR FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 350
; SEQ ID NO 2
; LENGTH: 10619
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-453-2

Query Match      79.2%; Score 40.4; DB 15; Length 10619;
Best Local Similarity 97.6%; Pred. No. 0.00036;
Matches 41; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CCCATCTCTTTTACACACACACACACACACACACACACACAAA 42
    |||||
Db 6678 CCCATCTCTTTTACACACACACACACACACACACACACACACA 6637

RESULT 5
US-10-240-589C-2/c
; Sequence 2, Application US/10240589C
; Publication No. US20040076956A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with
; TITLE OF INVENTION: DNA repair
; FILE REFERENCE: 5013.1008
; CURRENT APPLICATION NUMBER: US/10/240,589C
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; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: 60/189,862
; PRIOR FILING DATE: 2000-03-16
; PRIOR APPLICATION NUMBER: 60/207,454
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: 60/211,314
; PRIOR FILING DATE: 2000-06-09
; PRIOR APPLICATION NUMBER: 60/219,007
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: 60/255,281
; PRIOR FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 62332
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5243
; LENGTH: 621
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc_feature
; LOCATION: 31
; OTHER INFORMATION: n = A,T,C or G
US-10-357-930-55243

Query Match      72.5%; Score 37; DB 18; Length 621;
Best Local Similarity 88.9%; Pred. No. 0.0032;
Matches 40; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY   5 TCTCTTTTTCACACACACACACACACACACACAAAATATCTG 49
    |||||
Db   161 TCTCTTCTTACACACACACACACACACACACAAAATTAGCTG 205


RESULT 9
US-10-160-807-4/c
; Sequence 4, Application US/10150807
; Publication No. US20030224514A1
; GENERAL INFORMATION:
; APPLICANT: William Gaarde
; APPLICANT: Susan M. Freier
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PPAR-Delta EXPRESSION
; FILE REFERENCE: RTS-0189
; CURRENT APPLICATION NUMBER: US/10/160,807
; CURRENT FILING DATE: 2002-05-31
; NUMBER OF SEQ ID NOS: 296
; SEQ ID NO 4
; LENGTH: 104245
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
US-10-160-807-4

Query Match      72.2%; Score 36.8; DB 17; Length 104245;
Best Local Similarity 85.4%; Pred. No. 0.0096;
Matches 41; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY   1 CCCATCTCTTTTACACACACACACACACACACACAAAATATCT 48
    |||||||
Db   90002 CACATCTCTTTTCAACACACACACACACACACACAGGTCT 89955


RESULT 10
US-10-655-847-4/c
; Sequence 4, Application US/10655847
; Publication No. US20040063129A1
; GENERAL INFORMATION:
; APPLICANT: William Gaarde
; APPLICANT: Susan M. Freier
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PPAR-Delta EXPRESSION
; FILE REFERENCE: RTS-0189
; CURRENT APPLICATION NUMBER: US/10/655,847
; CURRENT FILING DATE: 2003-09-05

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;; PRIOR FILING DATE: 2000-04-13
;; PRIOR APPLICATION NUMBER: JP2002-327516
;; PRIOR FILING DATE: 2002-09-28
;; PRIOR APPLICATION NUMBER: JP2002-383869
;; PRIOR FILING DATE: 2002-12-09
;; NUMBER OF SEQ ID NOS: 27110
;; SEQ ID NO 18213
;; LENGTH: 419
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; OTHER INFORMATION: AC004802.1_36841
;; FEATURE:
;; OTHER INFORMATION: Located on chromosome 12
;; FEATURE:
;; OTHER INFORMATION: Distance between a terminus base of telomere on
;; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
;; OTHER INFORMATION: sequence : 1189010
;; FEATURE:
;; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
;; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
;; OTHER INFORMATION: 5'-terminus of this base sequence : 223511
US-10-674-124A-18213

Query Match 71.0%; Score 36.2; DB 18; Length 419;
Best Local Similarity 83.7%; Pred. No. 0.0056;
Matches 41; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 CCCATCTCTTTTACACACACACACACACACACACACAAATATCTG 49
|||||
Db 243 CCCATGTGTGTTTATACACACACACACACACACACACTTCTG 291
|||||

RESULT 13
US-10-027-632-259460/c
; Sequence 259460, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 259460
; LENGTH: 657
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-259460

Query Match 70.6%; Score 36; DB 13; Length 657;
Best Local Similarity 100.0%; Pred. No. 0.0072;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 TCTCTTTCTTTACACACACACACACACACACACACACA 40
|||||
Db 174 TCTCTTTCTTTACACACACACACACACACACACACA 139
|||||

RESULT 14
US-10-027-632-259460/c
; Sequence 259460, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 259460
; LENGTH: 657
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-259460

Query Match 70.6%; Score 36; DB 17; Length 657;
Best Local Similarity 100.0%; Pred. No. 0.0072;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 TCTCTTTCTTTACACACACACACACACACACACACA 40
|||||
Db 174 TCTCTTTCTTTACACACACACACACACACACACA 139
|||||

RESULT 15
US-10-674-124A-12309
; Sequence 12309, Application US/10674124A
; Publication No. US2004019797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIYA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 10/257,511
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 12309
; LENGTH: 143
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: D7S2443


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; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 149459
; LENGTH: 727
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-149459

Query Match          69.0%; Score 35.2; DB 13; Length 727;
Best Local Similarity 92.5%; Pred. No. 0.014;
Matches 37; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CCCATCTCTTCTTTACACACACACACACACACACA 40
   ||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 227 CCCTTCTCTCTTCCACACACACACACACACACACA 266

RESULT 26
US-10-027-632-149460
; Sequence 149460, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 149460
; LENGTH: 727
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-149460

Query Match          69.0%; Score 35.2; DB 13; Length 727;
Best Local Similarity 92.5%; Pred. No. 0.014;
Matches 37; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CCCATCTCTTCTTTACACACACACACACACACACA 40
   ||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 227 CCCTTCTCTCTTCCACACACACACACACACACACA 266

RESULT 27
US-10-027-632-149461
; Sequence 149461, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 149461
; LENGTH: 727
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-149461

Query Match          69.0%; Score 35.2; DB 13; Length 727;
Best Local Similarity 92.5%; Pred. No. 0.014;
Matches 37; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CCCATCTCTTCTTTACACACACACACACACACACA 40
   ||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 227 CCCTTCTCTCTTCCACACACACACACACACACACA 266

RESULT 28
US-10-027-632-149459
; Sequence 149459, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 149459
; LENGTH: 727
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-149459

Query Match          69.0%; Score 35.2; DB 17; Length 727;
Best Local Similarity 92.5%; Pred. No. 0.014;
Matches 37; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```


; PRIOR FILING DATE: 1999-08-09

; LOCATION: (11594)..(11677)
; OTHER INFORMATION: Exon C7
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (13375)..(13500)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (14095)..(14187)
; OTHER INFORMATION: Exon C8
US-10-715-066-3

Query Match 69.0%; Score 35.2; DB 18; Length 14277;
Best Local Similarity 92.5%; Pred. No. 0.024;
Matches 37; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 5 TCTCTTTCTTTACACACACACACACACACACACAAAT 44
|||||
Db 9447 TCTCTCTCTACACACACACACACACACACACAAAT 9408
|||||

RESULT 32

US-10-674-124A-9430
; Sequence 9430, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi

; APPLICANT: TAMIYA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; TITLE OF INVENTION: GENETIC POLYMORPHISM MARKERS
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 9430
; LENGTH: 134
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Located on chromosome 5
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 163490847
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 38429
US-10-674-124A-9430

Query Match 68.2%; Score 34.8; DB 18; Length 134;
Best Local Similarity 84.8%; Pred. No. 0.014;
Matches 39; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 5 TCTCTTTCTTTACACACACACACACACACACAAATATCTGA 50
|||||
Db 37 TCTCTCTCTACACACACACACACACACACACATTCACTCA 82
|||||

RESULT 33

US-10-674-124A-6272

; Sequence 6272, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIYA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; TITLE OF INVENTION: GENETIC POLYMORPHISM MARKERS
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 6272
; LENGTH: 188
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: DIS07_10001315
; FEATURE:
; OTHER INFORMATION: Located on chromosome 3
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 186968498
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 345609
US-10-674-124A-6272

Query Match 68.2%; Score 34.8; DB 18; Length 188;
Best Local Similarity 94.7%; Pred. No. 0.015;
Matches 36; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 5 TCTCTTTCTTTACACACACACACACACACACAAA 42
|||||
Db 42 TCTCTTTCTTTACACACACACACACACACACACA 79
|||||

RESULT 34

US-10-674-124A-10989
; Sequence 10989, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi

; APPLICANT: TAMIYA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; TITLE OF INVENTION: GENETIC POLYMORPHISM MARKERS
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 10/257,511
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 10989
; LENGTH: 250

```

; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: AL021408.1_116125
; FEATURE:
; OTHER INFORMATION: Located on chromosome 6
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 139133452
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 8250
US-10-674-124A-10989

Query Match          68.2%; Score 34.8; DB 18; Length 250;
Best Local Similarity 94.7%; Pred. No. 0.016;
Matches 36; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 TCTCTTTCTTTACACACACACACACACACACAAA 42
    |||||
Db 162 TCTCTTTCTTTACACACACACACACACACACACA 199

RESULT 35
US-10-674-124A-19062/c
; Sequence 19062, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION: Located on chromosome 6
; APPLICANT: INOKO, Hidetoshi
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 19062
; LENGTH: 252
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: DISO7_10000128
; FEATURE:
; OTHER INFORMATION: Located on chromosome 12
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 92526052
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 8490
US-10-674-124A-19062

Query Match          68.2%; Score 34.8; DB 18; Length 252;
Best Local Similarity 94.7%; Pred. No. 0.016;
Matches 36; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 TCTCTTTCTTTACACACACACACACACACACAAA 42
    |||||
Db 209 TCTCTTTCTTTACACACACACACACACACACACA 172
```

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RESULT 36
US-10-674-124A-10528/c
; Sequence 10528, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION: Located on chromosome 6
; APPLICANT: INOKO, Hidetoshi
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 10528
; LENGTH: 286
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: AL157777.5_89493
; FEATURE:
; OTHER INFORMATION: Located on chromosome 6
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 92443605
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 6163
US-10-674-124A-10528

Query Match          68.2%; Score 34.8; DB 18; Length 286;
Best Local Similarity 94.7%; Pred. No. 0.016;
Matches 36; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 TCTCTTTCTTTACACACACACACACACACACAAA 42
    |||||
Db 157 TCTCTTTCTTTACACACACACACACACACACACA 120

RESULT 37
US-10-674-124A-5849/c
; Sequence 5849, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION: Located on chromosome 12
; APPLICANT: INOKO, Hidetoshi
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
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; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 180561
; LENGTH: 598
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-180561

Query Match 68.2%; Score 34.8; DB 13; Length 598;
Best Local Similarity 94.7%; Pred. No. 0.018;
Matches 36; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 5 TCTCTTTCTTTACACACACACACACACACACAAA 42
|||||
Db 414 TCTCTCTTTTACACACACACACACACACACACA 451

RESULT 41
US-10-027-632-180561
; Sequence 180561, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 180561
; LENGTH: 598
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-180561

Query Match 68.2%; Score 34.8; DB 17; Length 598;
Best Local Similarity 94.7%; Pred. No. 0.018;
Matches 36; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 5 TCTCTTTCTTTACACACACACACACACACACAAA 42
|||||
Db 414 TCTCTCTTTTACACACACACACACACACACACA 451

RESULT 42
US-10-322-281-667/c
; Sequence 667, Application US/10322281
; Publication No. US20040126762A1
; GENERAL INFORMATION:
; APPLICANT: David W. Morris

; APPLICANT: Marc S. Malandro
; TITLE OF INVENTION: Novel Compositions and Methods in Cancer
; FILE REFERENCE: 529452001000
; CURRENT APPLICATION NUMBER: US/10/322,281
; CURRENT FILING DATE: 2002-12-17
; NUMBER OF SEQ ID NOS: 866
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 667
; LENGTH: 23503
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-322-281-667

Query Match 68.2%; Score 34.8; DB 18; Length 23503;
Best Local Similarity 94.7%; Pred. No. 0.036;
Matches 36; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 5 TCTCTTTCTTTTACACACACACACACACACACAAA 42
|||||
Db 22789 TCTCTGTCTTTTACACACACACACACACACACA 22752

RESULT 43
US-09-956-712-10/c
; Sequence 10, Application US/09956712
; Publication No. US20030092648A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF NAC EXPRESSION
; FILE REFERENCE: RTS-0326
; CURRENT APPLICATION NUMBER: US/09/956,712
; CURRENT FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 91
; SEQ ID NO 10
; LENGTH: 96649
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(96649)
; OTHER INFORMATION: n = A,T,C or G
US-09-956-712-10

Query Match 68.2%; Score 34.8; DB 10; Length 96649;
Best Local Similarity 94.7%; Pred. No. 0.047;
Matches 36; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 5 TCTCTTTCTTTTACACACACACACACACACACAAA 42
|||||
Db 34009 TCTCTCTTTTACACACACACACACACACACACA 33972

RESULT 44
US-10-633-913-10/c
; Sequence 10, Application US/10633913
; Publication No. US20040029277A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF NAC EXPRESSION
; FILE REFERENCE: RTS-0326
; CURRENT APPLICATION NUMBER: US/10/633,913
; CURRENT FILING DATE: 2003-08-04
; PRIOR APPLICATION NUMBER: US/09/956,712
; PRIOR FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 91
; SEQ ID NO 10
; LENGTH: 96649
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature

US-10-674-124A-21764
; Sequence 21764, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIYA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE REFERENCE: GENETIC POLYMORPHISM MARKERS
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 10/257,511
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 21764
; LENGTH: 238
; TYPE: DNA
; ORGANISM: Homo sapiens
; OTHER INFORMATION: AC005736.1_140838
; OTHER INFORMATION: Located on chromosome 16
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 31139

US-10-674-124A-21764
Query Match 67.8%; Score 34.6; DB 18; Length 238;
Best Local Similarity 90.2%; Pred. No. 0.018;
Matches 37; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 2 CCATCTCTTTCTTACACACACACACACACACACACAAA 42
Db 112 CCATCCCTCTCTTACACACACACACACACACACACACA 152
RESULT 49
US-10-674-124A-21765
; Sequence 21765, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIYA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE REFERENCE: GENETIC POLYMORPHISM MARKERS
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 10/257,511
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 21765

US-10-674-124A-21765
Query Match 67.8%; Score 34.6; DB 18; Length 238;
Best Local Similarity 90.2%; Pred. No. 0.018;
Matches 37; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 2 CCATCTCTTTCTTACACACACACACACACACACACAAA 42
Db 112 CCATCCCTCTCTTACACACACACACACACACACACACA 152
RESULT 49
US-10-674-124A-21765
; Sequence 21765, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIYA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE REFERENCE: GENETIC POLYMORPHISM MARKERS
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 10/257,511
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 21765

US-10-674-124A-21765
Query Match 67.8%; Score 34.6; DB 18; Length 266;
Best Local Similarity 90.2%; Pred. No. 0.019;
Matches 37; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 2 CCATCTCTTTCTTACACACACACACACACACACACAAA 42
Db 85 CCATCCCTCTCTTACACACACACACACACACACACACA 125
RESULT 50
US-10-674-124A-22328
; Sequence 22328, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIYA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE REFERENCE: GENETIC POLYMORPHISM MARKERS
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 10/257,511
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 22328
; LENGTH: 343
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; FEATURE:
; FEATURE:
; FEATURE:
; OTHER INFORMATION: Located on chromosome 16
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 76491819
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 47988

US-10-674-124A-22328
Query Match 67.8%; Score 34.6; DB 18; Length 343;
Best Local Similarity 90.2%; Pred. No. 0.019;
Matches 37; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 2 CCATCTCTTTCTTACACACACACACACACACACACAAA 42
Db 85 CCATCCCTCTCTTACACACACACACACACACACACACA 125
RESULT 50
US-10-674-124A-22328
; Sequence 22328, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIYA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE REFERENCE: GENETIC POLYMORPHISM MARKERS
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 10/257,511
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 22328
; LENGTH: 343
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; FEATURE:
; FEATURE:
; FEATURE:
; OTHER INFORMATION: Located on chromosome 16
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 76491819
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 47988

Db 210 CCATTATTTCATTACACACACACACACACACACA 250

Search completed: June 2, 2005, 11:58:26
Job time : 486.533 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 2, 2005, 07:06:17 ; Search time 50.3529 Seconds
(without alignments)
779.908 Million cell updates/sec

Title: US-09-909-317-6

Perfect score: 24

Sequence: 1 cacacacacacacacacacaca 24

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database : Issued Patents_NA:*

1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*

2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*

3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*

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5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*

6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	24	100.0	25	1	US-08-222-177A-146
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4	24	100.0	27	1	US-08-222-177A-143
5	24	100.0	27	2	US-08-689-856-23
6	24	100.0	27	3	US-08-787-321-23
7	24	100.0	28	1	US-08-222-177A-451
8	24	100.0	29	1	US-08-455-627-25
9	24	100.0	29	1	US-08-222-177A-80
10	24	100.0	29	1	US-08-222-177A-238
11	24	100.0	29	2	US-08-689-856-25
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13	24	100.0	31	1	US-08-222-177A-215
14	24	100.0	31	1	US-08-222-177A-235
15	24	100.0	31	1	US-08-222-177A-271
16	24	100.0	32	1	US-08-222-177A-210
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19	24	100.0	33	1	US-08-222-177A-218
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488 24 100.0 541 4 US-09-232-785-301 Sequence 301, App
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490 24 100.0 545 1 US-08-599-252-86 Sequence 86, Appl

ALIGNMENTS

RESULT 1
US-08-222-177A-445
; Sequence 445, Application US/08222177A
; Patent No. 5582379
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dG-da)n. (dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222.177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:

```

: TELEPHONE: (608) 831-2100
:
: TELEFAX: (608) 831-2106
:
: TELEX:
:
: INFORMATION FOR SEQ ID NO: 445:
:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 24 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
:
: MOLECULE TYPE: DNA (genomic)
:
: US-08-222-177A-445

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Query Match      100.0%; Score 24; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 CACACACACACACACACACA 24
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Db 1 CACACACACACACACACACA 24
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RESULT 2
US-08-222-177A-146
; Sequence 146, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dC-dA)n (dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460

```

ADDRESS: DEWITT ROSS & STEVENS, S.C.
STREET: 8000 EXCELSIOR DRIVE, SUITE 401
CITY: MADISON
STATE: WISCONSIN
COUNTRY: USA
ZIP: 53717-1914

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CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/341,562
FILING DATE: 21-APR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Sara, Charles S.
REGISTRATION NUMBER: 30,492
REFERENCE/DOCKET NUMBER: 09865.601
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 831-2100
TELEFAX: (608) 831-2106
TELEX:

```

/ INFORMATION FOR SEQ ID NO: 146
/
/ SEQUENCE CHARACTERISTICS:
/   LENGTH: 25 base pairs
/   TYPE: nucleic acid
/   STRANDEDNESS: double
/   TOPOLOGY: linear
/   MOLECULE TYPE: DNA (genomic)
/   IMMEDIATE SOURCE:
/   CLONE: mfd32rs
/ US-08-222-177A-146

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Query Match      100.0%; Score 24; DB 1; Length 25;
Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 24; Conservative 0; Mismatches 0; Indels
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QY 1 CACACACACACACACACACA 24

Db
2 CACACACACACACACACACA 25

RESULT 3

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US-08-455-627-23
; Sequence 23, Application US/08455627
; Patent No. 5571677
; GENERAL INFORMATION:
; APPLICANT: Sergei M. Gryznov
; TITLE OF INVENTION: Convergent Synthesis of Branched and Multiply
; TITLE OF INVENTION: Connected Macromolecular Structures
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESS: Cooley Godward LLP
; STREET: Five Palo Alto Square, 3000 El Camino Real
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94306-2155

```

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/455,627
FILING DATE: 31-MAY-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Nakamura, Jackie N.
REGISTRATION NUMBER: 35,966
REFERENCE/DOCKET NUMBER: LYNX-003/01 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-843-5000
TELEFAX: 415-857-0663
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 27 nucleotides
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-455-627-23

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Query Match      100.0%; Score 24; DB 1; Length 27;
Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 CACACACACACACACACACA 24
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Dp 1 CACACACACACACACACACA 24
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RESULT 4

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US-08-222-177A-143
; Sequence 143, Application US/08222177A
; Patent No. 5582979
;
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dG-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSER: DeWitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/08/222,177A
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 143:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd31rs
; US-08-222-177A-143

Query Match 100.0%; Score 24; DB 1; Length 27;
Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
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Db 2 CACACACACACACACACACA 25

RESULT 5
US-08-689-856-23
; Sequence 23, Application US/08689856
; Patent No. 5830658
; GENERAL INFORMATION:
; APPLICANT: Sergei M. Gryaznov
; TITLE OF INVENTION: Convergent Synthesis of Branched and Multiply
; TITLE OF INVENTION: Connected Macromolecular Structures
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooley Godward LLP
; STREET: Five Palo Alto Square, 3000 El Camino Real
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94306-2155
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/689,856
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/455,627
; FILING DATE: 31-MAY-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Nakamura, Jackie N.
; REGISTRATION NUMBER: 35,966
; REFERENCE/DOCKET NUMBER: LYNX-003/01 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-843-5000
; TELEFAX: 415-857-0663
; INFORMATION FOR SEQ ID NO: 23:

; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; US-08-689-856-23

Query Match 100.0%; Score 24; DB 2; Length 27;
Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
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Db 1 CACACACACACACACACACACA 24

RESULT 6
US-08-787-321-23
; Sequence 23, Application US/08787321A
; Patent No. 6180777
; GENERAL INFORMATION:
; APPLICANT: Hord, Thomas
; TITLE OF INVENTION: SYNTHESIS OF BRANCHED NUCLEIC ACIDS
; FILE REFERENCE: (1300)-1199.002
; CURRENT APPLICATION NUMBER: US/08/787,321A
; CURRENT FILING DATE: 1997-01-03
; EARLIER APPLICATION NUMBER: US PROV 60/009,918
; EARLIER FILING DATE: 1996-01-12
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 23
; LENGTH: 27
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: oligonucleotide
; US-08-787-321-23

Query Match 100.0%; Score 24; DB 3; Length 27;
Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
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Db 1 CACACACACACACACACACACA 24

RESULT 7
US-08-222-177A-451
; Sequence 451, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (GC-4A)n.(GG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Demitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
```


ADDRESSEE: DeWitt Ross & Stevens, S.C.
STREET: 8000 Excelsior Drive, Suite 401
CITY: Madison
STATE: Wisconsin
COUNTRY: USA
ZIP: 53717-1914

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/222,177A
FILING DATE:

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/341,562
FILING DATE: 21-APR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Sara, Charles S.
REGISTRATION NUMBER: 30,492
REFERENCE/DOCKET NUMBER: 09865.601
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 831-2100
TELEFAX: (608) 831-2106
TELEX:

INFORMATION FOR SEQ ID NO: 238:
SEQUENCE CHARACTERISTICS:
LENGTH: 29 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
IMMEDIATE SOURCE:
CLONE: md65rs

US-08-222-177A-238

Query Match 100.0%; Score 24; DB 1; Length 29;
Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACA 24
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DB 1 CACACACACACACACACA 24
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RESULT 11
US-08-689-856-25
Sequence 25, Application US/08689856
Patent No. 5830658
GENERAL INFORMATION:
APPLICANT: Sergei M. Gryaznov
TITLE OF INVENTION: Convergent Synthesis of Branched and Multiply
TITLE OF INVENTION: Connected Macromolecular Structures
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooley Godward LLP
STREET: Five Palo Alto Square, 3000 El Camino Real
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94306-2155

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/689,856
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/455,627


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Query Match      100.0%; Score 24; DB 1; Length 30;
Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
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Db 2 CACACACACACACACACACACA 25

RESULT 13
US-08-222-177A-215
; Sequence 215, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; (dG-dA)n. (dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 215:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 31 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mids7rs
US-08-222-177A-215

Query Match      100.0%; Score 24; DB 1; Length 31;
Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
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Db 1 CACACACACACACACACACACA 24

RESULT 14
US-08-222-177A-235
; Sequence 235, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; (dC-dA)n. (dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 215:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 31 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mids7rs
US-08-222-177A-215

Query Match      100.0%; Score 24; DB 1; Length 31;
Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
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Db 1 CACACACACACACACACACACA 24

RESULT 15
US-08-222-177A-271
; Sequence 271, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; (dC-dA)n. (dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
```

```
NUMBER OF SEQUENCES: 460
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dewitt Ross & Stevens, S.C.
STREET: 8000 Excelsior Drive, Suite 401
CITY: Madison
STATE: Wisconsin
COUNTRY: USA
ZIP: 53717-1914
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/222,177A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/341,562
FILING DATE: 21-APR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Sara, Charles S.
REGISTRATION NUMBER: 30,492
REFERENCE/DOCKET NUMBER: 09865.601
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 831-2100
TELEFAX: (608) 831-2106
TELEX:
INFORMATION FOR SEQ ID NO: 235:
SEQUENCE CHARACTERISTICS:
LENGTH: 31 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
IMMEDIATE SOURCE:
CLONE: mfd64rs
US-08-222-177A-235

Query Match      100.0%; Score 24; DB 1; Length 31;
Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
   |||||||||||||||||||
Db 2 CACACACACACACACACACACA 25

RESULT 15
US-08-222-177A-271
; Sequence 271, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; (dC-dA)n. (dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
```

```
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 271:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 31 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd79rs
; US-08-222-177A-271

Query Match 100.0%; Score 24; DB 1; Length 31;
Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
   ||||||||||||||||||||
Db 2 CACACACACACACACACACACA 25

RESULT 16
US-08-222-177A-210
; Sequence 210, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (GC-dA)n. (dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 210:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 32 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd79rs
; US-08-222-177A-271

Query Match 100.0%; Score 24; DB 1; Length 31;
Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
   ||||||||||||||||||||
Db 2 CACACACACACACACACACACA 25

RESULT 17
US-08-222-177A-376
; Sequence 376, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (GC-dA)n. (dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 376:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 32 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd119rs
; US-08-222-177A-376

Query Match 100.0%; Score 24; DB 1; Length 32;
Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
   ||||||||||||||||||||
Db 2 CACACACACACACACACACACA 25

RESULT 18
US-08-222-177A-59
; Sequence 59, Application US/08222177A
```



```
; SEQUENCE CHARACTERISTICS:
; LENGTH: 34 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd20rs
US-08-222-177A-110

Query Match          100.0%; Score 24; DB 1; Length 34;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
   ||||||||||||||||||||
DB 2 CACACACACACACACACACACA 25

RESULT 21
US-08-222-177A-172
; Sequence 172, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dG-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 172:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 34 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd41rs
US-08-222-177A-172

Query Match          100.0%; Score 24; DB 1; Length 34;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
   ||||||||||||||||||||
DB 2 CACACACACACACACACACACA 25

RESULT 22
US-08-222-177A-180
; Sequence 180, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dG-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 180:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 34 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd44rs
US-08-222-177A-180

Query Match          100.0%; Score 24; DB 1; Length 34;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
   ||||||||||||||||||||
DB 1 CACACACACACACACACACACA 24

RESULT 23
US-08-222-177A-192
; Sequence 192, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dG-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
```

ZIP: 53717-1914
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/222,177A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/341,562
FILING DATE: 21-APR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Sara, Charles S.
REGISTRATION NUMBER: 30,492
REFERENCE/DOCKET NUMBER: 09865.601
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 831-2100
TELEFAX: (608) 831-2106
TELEX:
INFORMATION FOR SEQ ID NO: 192:
SEQUENCE CHARACTERISTICS:
LENGTH: 34 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
IMMEDIATE SOURCE:
CLONE: mfd48rs
US-08-222-177A-192

Query Match 100.0%; Score 24; DB 1; Length 34;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
DB 2 CACACACACACACACACACACA 25

RESULT 24
US-08-222-177A-322
; Sequence 322, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 77:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 35 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd9rs
; US-08-222-177A-77

TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 831-2100
TELEFAX: (608) 831-2106
TELEX:
INFORMATION FOR SEQ ID NO: 322:
SEQUENCE CHARACTERISTICS:
LENGTH: 34 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
IMMEDIATE SOURCE:
CLONE: mfd101rs
US-08-222-177A-322

Query Match 100.0%; Score 24; DB 1; Length 34;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
DB 2 CACACACACACACACACACACA 25

RESULT 25
US-08-222-177A-77
; Sequence 77, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 77:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 35 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd9rs
; US-08-222-177A-77

Query Match 100.0%; Score 24; DB 1; Length 35;
Best Local Similarity 100.0%; Pred. No. 0.28;

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Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CACACACACACACACACACACACA 24
    |||||||||||||||||||
Db 1 CACACACACACACACACACACACA 24

RESULT 26
US-08-222-177A-189
; Sequence 189, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dG-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 189:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 35 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd47rs
US-08-222-177A-189

Query Match 100.0%; Score 24; DB 1; Length 35;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CACACACACACACACACACACACA 24
    |||||||||||||||||||
Db 2 CACACACACACACACACACACACA 25

RESULT 27
US-08-222-177A-104
; Sequence 104, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dG-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 189:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 35 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd47rs
US-08-222-177A-189

Query Match 100.0%; Score 24; DB 1; Length 35;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CACACACACACACACACACACACA 24
    |||||||||||||||||||
Db 2 CACACACACACACACACACACACA 25

RESULT 28
US-08-222-177A-358
; Sequence 358, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dG-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 189:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 35 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd47rs
US-08-222-177A-104

Query Match 100.0%; Score 24; DB 1; Length 36;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CACACACACACACACACACACACA 24
    |||||||||||||||||||
Db 2 CACACACACACACACACACACACA 25
```

```
/ FILING DATE: 21-APR-1989
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Sara, Charles S.
/ REGISTRATION NUMBER: 30,492
/ REFERENCE/DOCKET NUMBER: 09865.601
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (608) 831-2100
/ TELEFAX: (608) 831-2106
/ TELEX:
/ INFORMATION FOR SEQ ID NO: 358:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 36 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
/ IMMEDIATE SOURCE:
/ CLONE: mfd113rs
/ US-08-222-177A-358

Query Match 100.0%; Score 24; DB 1; Length 36;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
Db 2 CACACACACACACACACACACA 25

RESULT 29
US-08-222-177A-140
; Sequence 140, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 140:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 37 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd30rs
/ US-08-222-177A-140

Query Match 100.0%; Score 24; DB 1; Length 37;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
Db 2 CACACACACACACACACACACA 25

RESULT 30
US-08-222-177A-68
; Sequence 68, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 68:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 38 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd6rs
/ US-08-222-177A-68

Query Match 100.0%; Score 24; DB 1; Length 38;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
Db 13 CACACACACACACACACACACA 36

RESULT 31
US-08-222-177A-198
; Sequence 198, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
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/ APPLICATION NUMBER: US/08/222,177A
/ FILING DATE:
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/341,562
/ FILING DATE: 21-APR-1989
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Sara, Charles S.
/ REGISTRATION NUMBER: 30,492
/ REFERENCE/DOCKET NUMBER: 09865.601
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (608) 831-2100
/ TELEFAX: (608) 831-2106
/ TELEX:
/ INFORMATION FOR SEQ ID NO: 397:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 38 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
/ US-08-222-177A-397

Query Match 100.0%; Score 24; DB 1; Length 38;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
Db 2 CACACACACACACACACACA 25

RESULT 33
US-08-222-177A-137
/ Sequence 137, Application US/08222177A
/ Patent No. 5582979
/ GENERAL INFORMATION:
/ APPLICANT: Weber, James L.
/ TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
/ TITLE OF INVENTION: (dC-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
/ NUMBER OF SEQUENCES: 460
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Dewitt Ross & Stevens, S.C.
/ STREET: 8000 Excelsior Drive, Suite 401
/ CITY: Madison
/ STATE: Wisconsin
/ COUNTRY: USA
/ ZIP: 53717-1914
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/222,177A
/ FILING DATE:
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/341,562
/ FILING DATE: 21-APR-1989
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Sara, Charles S.
/ REGISTRATION NUMBER: 30,492
/ REFERENCE/DOCKET NUMBER: 09865.601
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (608) 831-2100
/ TELEFAX: (608) 831-2106
/ TELEX:
/ INFORMATION FOR SEQ ID NO: 137:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 39 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double

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; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION NUMBER: US 07/341,562
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 53:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 42 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd1rs
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US-08-222-177A-53
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Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACAC 24
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Db 5 CACACACACACACACACACACACAC 28

RESULT 48
US-08-222-177A-229
; Sequence 229, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (gc-da)n. (gg-dt)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 229:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 42 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd105rs
;
US-08-222-177A-334
Query Match 100.0%; Score 24; DB 1; Length 42;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACAC 24
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Db 12 CACACACACACACACACACACACAC 35

RESULT 49
US-08-222-177A-334
; Sequence 334, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (gc-da)n. (gg-dt)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 334:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 42 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd105rs
;
US-08-222-177A-334
Query Match 100.0%; Score 24; DB 1; Length 42;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACAC 24
| | | | | | | | | | | | | | | |
Db 12 CACACACACACACACACACACACAC 35

RESULT 50
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US-08-222-177A-340
; Sequence 340, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (GC-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 340:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 42 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd107rs
US-08-222-177A-340

Query Match 100.0%; Score 24; DB 1; Length 42;
Best Local Similarity 100.0%; Pred.No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db	12	CACACACACACACACACACA	35

Search completed: June 2, 2005, 07:32:24
Job time : 58.5529 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 2, 2005, 07:14:13 ; Search time 212.863 Seconds
(without alignments)
693.114 Million cell updates/sec

Title: US-09-909-317-6

Perfect score: 24

Sequence: 1 cacacacacacacacacaca 24

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 5706582 seqs, 3073711274 residues

Total number of hits satisfying chosen parameters: 11413164

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database :

Published Applications NA:*

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22: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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C 2	24	100.0	24	10	US-09-776-479-1068
C 3	24	100.0	24	11	US-09-776-479-1068
C 4	24	100.0	24	11	US-09-909-317-6
C 5	24	100.0	24	14	US-10-112-653-1012
C 6	24	100.0	24	14	US-10-017-995-1068
C 7	24	100.0	24	17	US-10-314-578-1068
C 8	24	100.0	24	18	US-10-831-778-1068
C 9	24	100.0	27	9	US-09-735-363A-1
C 10	24	100.0	27	9	US-09-735-363A-5
C 11	24	100.0	27	9	US-09-735-363A-66

27	9	US-09-263-959-770	Sequence 770, Appl
27	16	US-10-168-327-2	Sequence 2, Appl
30	14	US-10-085-906-93	Sequence 93, Appl
31	14	US-10-085-906-27	Sequence 27, Appl
32	10	US-09-852-903C-21	Sequence 21, Appl
32	18	US-10-723-940-10	Sequence 10, Appl
34	10	US-09-852-903C-22	Sequence 22, Appl
36	10	US-09-852-903C-23	Sequence 23, Appl
36	11	US-09-909-317-7	Sequence 7, Appl
38	10	US-09-852-903C-24	Sequence 24, Appl
39	9	US-09-263-959-678	Sequence 678, Appl
40	10	US-09-852-903C-25	Sequence 25, Appl
40	18	US-10-661-088-24	Sequence 24, Appl
40	18	US-10-661-097-24	Sequence 24, Appl
40	18	US-10-661-355-24	Sequence 24, Appl
40	18	US-10-661-099-24	Sequence 24, Appl
40	18	US-10-661-415-24	Sequence 24, Appl
41	9	US-09-263-959-495	Sequence 495, Appl
41	14	US-10-146-575-46	Sequence 46, Appl
42	10	US-09-852-903C-26	Sequence 26, Appl
44	9	US-09-263-959-797	Sequence 797, Appl
44	10	US-09-852-903C-27	Sequence 27, Appl
46	10	US-09-852-903C-28	Sequence 28, Appl
46	10	US-09-971-353-33	Sequence 33, Appl
47	9	US-09-263-959-514	Sequence 514, Appl
47	9	US-09-263-959-571	Sequence 571, Appl
48	9	US-09-263-959-775	Sequence 775, Appl
48	10	US-09-852-903C-29	Sequence 29, Appl
48	10	US-09-971-353-28	Sequence 28, Appl
48	14	US-10-085-906-114	Sequence 114, Appl
48	14	US-10-085-906-234	Sequence 234, Appl
48	14	US-10-085-906-306	Sequence 306, Appl
48	14	US-10-085-906-360	Sequence 360, Appl
50	18	US-10-407-818-6	Sequence 6, Appl
50	19	US-10-484-784-28	Sequence 28, Appl
51	10	US-09-922-225A-65	Sequence 65, Appl
52	10	US-09-971-353-25	Sequence 25, Appl
53	9	US-09-263-959-588	Sequence 588, Appl
53	14	US-10-085-906-72	Sequence 72, Appl
54	10	US-09-852-903C-30	Sequence 30, Appl
54	18	US-10-723-940-11	Sequence 11, Appl
55	10	US-09-814-353-13669	Sequence 13669, A
56	10	US-09-852-903C-31	Sequence 31, Appl
57	9	US-09-263-959-690	Sequence 690, Appl
57	10	US-09-971-353-32	Sequence 32, Appl
58	10	US-09-852-903C-32	Sequence 32, Appl
60	10	US-09-852-903C-33	Sequence 33, Appl
60	15	US-10-218-567-81	Sequence 81, Appl
60	15	US-10-218-567-82	Sequence 82, Appl
60	15	US-10-218-567-83	Sequence 83, Appl
60	15	US-10-218-567-84	Sequence 84, Appl
61	18	US-10-407-818-12	Sequence 12, Appl
61	18	US-10-407-818-15	Sequence 15, Appl
62	10	US-09-852-903C-34	Sequence 34, Appl
62	10	US-09-971-353-29	Sequence 29, Appl
62	14	US-10-085-906-330	Sequence 330, Appl
63	14	US-10-085-906-129	Sequence 129, Appl
63	14	US-10-085-906-198	Sequence 198, Appl
64	10	US-09-852-903C-35	Sequence 35, Appl
64	17	US-10-035-833A-2763	Sequence 2763, Appl
64	17	US-10-035-833A-6181	Sequence 6181, Appl
66	17	US-09-852-903C-36	Sequence 36, Appl
66	17	US-10-035-833A-2258	Sequence 2258, Appl
66	17	US-10-035-833A-3664	Sequence 3664, Appl
68	10	US-09-852-903C-37	Sequence 37, Appl
68	17	US-10-035-833A-6759	Sequence 6759, Appl
69	10	US-09-854-867-450	Sequence 450, Appl
69	19	US-10-786-970A-450	Sequence 450, Appl
70	10	US-09-852-903C-38	Sequence 38, Appl
72	10	US-09-835-976B-122	Sequence 122, Appl
72	10	US-09-971-353-26	Sequence 26, Appl
72	10	US-09-971-353-27	Sequence 27, Appl
73	9	US-09-920-300A-1268	Sequence 1268, Appl

Db 24 CACACACACACACACACACACA 1

RESULT 6

US-10-017-995-1068/c
; Sequence 1068, Application US/10017995
; Publication No. US20030055014A1
; GENERAL INFORMATION:
; APPLICANT: Bratzler, Robert L.
; TITLE OF INVENTION: Inhibition of Angiogenesis by Nucleic Acids
; FILE REFERENCE: C1037/7025 (HCL/MAT)
; CURRENT APPLICATION NUMBER: US/10/017,995
; CURRENT FILING DATE: 2001-12-18
; PRIOR APPLICATION NUMBER: US 60/255,534
; PRIOR FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1068
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Sequence
US-10-017-995-1068

Query Match 100.0%; Score 24; DB 14; Length 24;
Best Local Similarity 100.0%; Pred. No. 0.44; Indels 0; Gaps 0;
Matches 24; Conservative 0; Mismatches 0;

Qy 1 CACACACACACACACACACACA 24
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Db 24 CACACACACACACACACACACA 1

RESULT 7

US-10-314-578-1068/c
; Sequence 1068, Application US/10314578
; Publication No. US20030212026A1
; GENERAL INFORMATION:
; APPLICANT: Kries, Arthur M.
; APPLICANT: Schetter, Christian
; APPLICANT: Vollmer, Jorg
; TITLE OF INVENTION: Immunostimulatory Nucleic Acids
; FILE REFERENCE: C1039/7035 (HCL/MAT)
; CURRENT APPLICATION NUMBER: US/10/314,578
; CURRENT FILING DATE: 2002-12-09
; PRIOR APPLICATION NUMBER: US 60/156,113
; PRIOR FILING DATE: 1999-09-25
; PRIOR APPLICATION NUMBER: US 60/156,135
; PRIOR FILING DATE: 1999-09-27
; PRIOR APPLICATION NUMBER: US 60/227,436
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 1145
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1068
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Sequence
US-10-314-578-1068

Query Match 100.0%; Score 24; DB 17; Length 24;
Best Local Similarity 100.0%; Pred. No. 0.44; Indels 0; Gaps 0;
Matches 24; Conservative 0; Mismatches 0;

Qy 1 CACACACACACACACACACACA 24
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Db 24 CACACACACACACACACACACA 1

RESULT 8

US-10-831-778-1068/c

; Sequence 1068, Application US/10831778
; Publication No. US20040235774A1
; GENERAL INFORMATION:
; APPLICANT: Bratzler, Robert L.
; APPLICANT: Petersen, Deanna M.
; APPLICANT: Fouron, Yves
; TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the
; TITLE OF INVENTION: Treatment of Asthma and Allergy
; FILE REFERENCE: C1037/7013 (HCL/MAT)
; CURRENT APPLICATION NUMBER: US/10/831,778
; CURRENT FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/179,991
; PRIOR FILING DATE: 2000-02-03
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1068
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Sequence
US-10-831-778-1068

Query Match 100.0%; Score 24; DB 18; Length 24;
Best Local Similarity 100.0%; Pred. No. 0.44; Indels 0; Gaps 0;
Matches 24; Conservative 0; Mismatches 0;

Qy 1 CACACACACACACACACACACA 24
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Db 24 CACACACACACACACACACACA 1

RESULT 9

US-09-735-363A-1/c
; Sequence 1, Application US/09735363A
; Patent No. US20010041681A1
; GENERAL INFORMATION:
; APPLICANT: Fillion, Mario
; APPLICANT: Phillip, Nigel
; TITLE OF INVENTION: Therapeutically Useful Synthetic Oligonucleotides
; FILE REFERENCE: 02811-0181
; CURRENT APPLICATION NUMBER: US/09/735,363A
; CURRENT FILING DATE: 2000-12-12
; PRIOR APPLICATION NUMBER: 60/170,325
; PRIOR FILING DATE: 1999-12-13
; PRIOR APPLICATION NUMBER: 60/228,925
; PRIOR FILING DATE: 2000-08-29
; NUMBER OF SEQ ID NOS: 87
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 27
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Oligonucleotide
US-09-735-363A-1

Query Match 100.0%; Score 24; DB 9; Length 27;
Best Local Similarity 100.0%; Pred. No. 0.44; Indels 0; Gaps 0;
Matches 24; Conservative 0; Mismatches 0;

Qy 1 CACACACACACACACACACACA 24
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Db 27 CACACACACACACACACACACA 4

RESULT 10

US-09-735-363A-5/c
; Sequence 5, Application US/09735363A
; Patent No. US20010041681A1
; GENERAL INFORMATION:
; APPLICANT: Fillion, Mario
; APPLICANT: Phillip, Nigel


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RESULT 22
US-09-263-959-678/c
; Sequence 678, Application US/09263959
; Patent No. US20020150891A1
; GENERAL INFORMATION:
; APPLICANT: Hood, Leroy E.
; APPLICANT: Rowen, Lee
; APPLICANT: Koop, Ben F.
; TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC C
; NUMBER OF SEQUENCES: 1279
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263,959
FILING DATE: 05-MAR-1999
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Mcmasters, David D.
REGISTRATION NUMBER: 33,963
REFERENCE/DOCKET NUMBER: 920010.426C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 678:
SEQUENCE CHARACTERISTICS:
LENGTH: 39 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-263-959-678

Query Match 100.0%; Score 24; DB 9; Length 39;
Best Local Similarity 100.0%; Pred. No. 0.45;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACA 24
Db 39 CACACACACACACACACACACA 16

RESULT 23
US-09-852-903C-25
; Sequence 25, Application US/09852903C
; Publication No. US20030104376A1
; GENERAL INFORMATION:
; APPLICANT: Diattech Pty. Ltd.
; TITLE OF INVENTION: An assay
; FILE REFERENCE: 2414918/EPH
; CURRENT APPLICATION NUMBER: US/09/852,903C
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 60/202,771
; PRIOR FILING DATE: 2000-05-09
; PRIOR APPLICATION NUMBER: US 60/202,559
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 25
; LENGTH: 40
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1..7)
; OTHER INFORMATION: CA-21
US-09-852-903C-25

Query Match 100.0%; Score 24; DB 10; Length 40;
Best Local Similarity 100.0%; Pred. No. 0.45;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACA 24
Db 1 CACACACACACACACACACACA 24

RESULT 24
US-10-661-088-24
; Sequence 24, Application US/10661088
; Publication No. US20040162253A1
; GENERAL INFORMATION:
; APPLICANT: VAILLANT, ANDREW
; APPLICANT: JUTEAU, JEAN-MARC

; TITLE OF INVENTION: ANTIVIRAL OLIGONUCLEOTIDES TARGETING HSV
; FILE REFERENCE: 029849/0206
; CURRENT APPLICATION NUMBER: US/10/661,088
; CURRENT FILING DATE: 2003-09-12
; PRIOR APPLICATION NUMBER: PCT/IB03/04573
; PRIOR FILING DATE: 2003-09-11
; PRIOR APPLICATION NUMBER: 60/430,934
; PRIOR FILING DATE: 2002-12-05
; PRIOR APPLICATION NUMBER: 60/410,264
; PRIOR FILING DATE: 2002-09-13
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 24
; LENGTH: 40
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: oligonucleotide
US-10-661-088-24

Query Match 100.0%; Score 24; DB 18; Length 40;
Best Local Similarity 100.0%; Pred. No. 0.45;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACA 24
Db 2 CACACACACACACACACACACA 25

RESULT 25
US-10-661-097-24
; Sequence 24, Application US/10661097
; Publication No. US20040162254A1
; GENERAL INFORMATION:
; APPLICANT: VAILLANT, ANDREW
; APPLICANT: JUTEAU, JEAN-MARC
; TITLE OF INVENTION: ANTIVIRAL OLIGONUCLEOTIDES TARGETING HSV
; FILE REFERENCE: 029849/0204
; CURRENT APPLICATION NUMBER: US/10/661,097
; CURRENT FILING DATE: 2003-09-12
; PRIOR APPLICATION NUMBER: PCT/IB03/04573
; PRIOR FILING DATE: 2003-09-11
; PRIOR APPLICATION NUMBER: 60/430,934
; PRIOR FILING DATE: 2002-12-05
; PRIOR APPLICATION NUMBER: 60/410,264
; PRIOR FILING DATE: 2002-09-13
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 24
; LENGTH: 40
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: oligonucleotide
US-10-661-097-24

Query Match 100.0%; Score 24; DB 18; Length 40;
Best Local Similarity 100.0%; Pred. No. 0.45;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACA 24
Db 2 CACACACACACACACACACACA 25

RESULT 26
US-10-661-355-24
; Sequence 24, Application US/10661355
; Publication No. US20040170959A1
; GENERAL INFORMATION:
; APPLICANT: VAILLANT, ANDREW

US-10-661-415-24
; Sequence 24, Application US/10661415
; Publication No. US20040229828A1
: GENERAL INFORMATION:

US-09-263-959-495

APPLICANT: KOOP, BEN F.
TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTILIZE

COUNTRY: US
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263.959
FILING DATE: 05-MAR-1999
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Mcmasters, David D.
REGISTRATION NUMBER: 33,963
REFERENCE/DOCKET NUMBER: 920010.426C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 588:
SEQUENCE CHARACTERISTICS:
LENGTH: 53 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-263-959-588

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Query Match      100.0%; Score 24; DB 9; Length 53;
Best Local Similarity 100.0%; Pred. No. 0.45;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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RESULT 50
US-10-085-906-72
; Sequence 72, Application US/10085906
; Publication NO. US20030054371A1
; GENERAL INFORMATION:
; APPLICANT: Ying, Vincent
; APPLICANT: Wu, Paul
; APPLICANT: Gray, Gary S.
; TITLE OF INVENTION: POLYMORPHIC ELEMENTS IN THE
; TITLE OF INVENTION: COSTIMULATORY RECEPTOR LOCUS AND USES THEREOF
; FILE REFERENCE: GNN-5343CP2
; CURRENT APPLICATION NUMBER: US/10/085,906
; CURRENT FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: US 60/126,215
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 09/534,061
; PRIOR FILING DATE: 2000-03-24
; PRIOR APPLICATION NUMBER: PCT/US00/07938
; PRIOR FILING DATE: 2000-03-24
; NUMBER OF SEQ ID NOS: 545
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 72
; LENGTH: 53
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-085-906-72

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Query Match      100.0%; Score 24; DB 14; Length 53;
Best Local Similarity 100.0%; Pred. NO. 0.45;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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D_b	1	CACACACACACACACACA	24

Search completed: June 2, 2005, 11:58:32
Job time : 219.063 secs

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C 492 36 100.0 601 4 US-09-949-016-68084 Sequence 68084, A
C 493 36 100.0 601 4 US-09-949-016-68970 Sequence 68970, A
C 494 36 100.0 601 4 US-09-949-016-68971 Sequence 68971, A
C 495 36 100.0 601 4 US-09-949-016-68972 Sequence 68972, A
C 496 36 100.0 601 4 US-09-949-016-68990 Sequence 68990, A
C 497 36 100.0 601 4 US-09-949-016-68991 Sequence 68991, A
C 498 36 100.0 601 4 US-09-949-016-69252 Sequence 69252, A
C 499 36 100.0 601 4 US-09-949-016-69534 Sequence 69534, A
C 500 36 100.0 601 4 US-09-949-016-70057 Sequence 70057, A
C 501 36 100.0 601 4 US-09-949-001-663 Sequence 663, App

ALIGNMENTS

RESULT 1
US-08-222-177A-140
; Sequence 140, Application US/08222177A
; Patent No. 5582379
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (AC-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Demitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/08/222,177A
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:

```
;
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
;
; INFORMATION FOR SEQ ID NO: 140:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 37 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd30rs
;
US-08-222-177A-140

Query Match 100.0%; Score 36; DB 1; Length 37;
Best Local Similarity 100.0%; Pred. No. 7.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACACACA 36
Db 2 CACACACACACACACACACACACACACACACACACA 37

RESULT 2
US-08-222-177A-198
; Sequence 198, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dG-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 198:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 38 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd50rs
;
US-08-222-177A-198

Query Match 100.0%; Score 36; DB 1; Length 38;
Best Local Similarity 100.0%; Pred. No. 7.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACACACA 36
Db 2 CACACACACACACACACACACACACACACACACACA 37

RESULT 3
US-08-222-177A-397
; Sequence 397, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dG-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 397:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 38 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd50rs
;
US-08-222-177A-397

Query Match 100.0%; Score 36; DB 1; Length 38;
Best Local Similarity 100.0%; Pred. No. 7.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACACACA 36
Db 2 CACACACACACACACACACACACACACACACACACA 37

RESULT 4
US-08-222-177A-137
; Sequence 137, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dG-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 137:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 38 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd50rs
;
US-08-222-177A-137

Query Match 100.0%; Score 36; DB 1; Length 38;
Best Local Similarity 100.0%; Pred. No. 7.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```



```

: TITLE OF INVENTION: (dC-da)n. (dG-dT)n SEQUENCES AND METHODS OF USING SAME
: NUMBER OF SEQUENCES: 460
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Dewitt Ross & Stevens, S.C.
: STREET: 8000 Excelsior Drive, Suite 401
: CITY: Madison
: STATE: Wisconsin
: COUNTRY: USA
: ZIP: 53717-1914
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/222,177A
: FILING DATE:
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/341,562
: FILING DATE: 21-APR-1989
: ATTORNEY/AGENT INFORMATION:
: NAME: Sara, Charles S.
: REGISTRATION NUMBER: 30,492
: REFERENCE/DOCKET NUMBER: 09865.601
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (608) 831-2100
: TELEFAX: (608) 831-2106
: TELEX:
: INFORMATION FOR SEQ ID NO: 229:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 42 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: IMMEDIATE SOURCE:
: CLONE: mfd62rs
: US-08-222-177A-229

Query Match 100.0%; Score 36; DB 1; Length 42;
Best Local Similarity 100.0%; Pred. No. 7.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACACACACACACACACACA 36
Db 2 CACACACACACACACACACACACACACACACACACACA 37

RESULT 13
US-08-222-177A-388
: Sequence 388, Application US/08222177A
: Patent No. 5582979
: GENERAL INFORMATION:
: APPLICANT: Weber, James L.
: TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
: TITLE OF INVENTION: (dC-da)n. (dG-dT)n SEQUENCES AND METHODS OF USING SAME
: NUMBER OF SEQUENCES: 460
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Dewitt Ross & Stevens, S.C.
: STREET: 8000 Excelsior Drive, Suite 401
: CITY: Madison
: STATE: Wisconsin
: COUNTRY: USA
: ZIP: 53717-1914
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/222,177A
: FILING DATE:

```



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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
  APPLICATION NUMBER: US/08/222,177A
  FILING DATE:
  CLASSIFICATION: 435
  PRIOR APPLICATION DATA:
    APPLICATION NUMBER: US 07/341,562
    FILING DATE: 21-APR-1989
  ATTORNEY/AGENT INFORMATION:
    NAME: Sara, Charles S.
    REGISTRATION NUMBER: 30,492
    REFERENCE/DOCKET NUMBER: 09865.601
  TELECOMMUNICATION INFORMATION:
    TELEPHONE: (608) 831-2100
    TELEFAX: (608) 831-2106
    TELEX:
  INFORMATION FOR SEQ ID NO: 226:
    SEQUENCE CHARACTERISTICS:
      LENGTH: 46 base pairs
      TYPE: nucleic acid
      STRANDEDNESS: double
      TOPOLOGY: linear
    MOLECULE TYPE: DNA (genomic)
    IMMEDIATE SOURCE:
      CLONE: mid61rs
US-08-222-177A-226

```

Query Match 100.0%; Score 36; DB 1; Length 46;
Best Local Similarity 100.0%; Pred. No. 7.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels

Qy	1	CACACACACACACACACACACACACACACA	36
Db	1	CACACACACACACACACACACACACACACA	36

RESULT 21
US-08-222-177A-346
; Sequence 346, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; SEQUENCE: (dc-da)n.(dg-qt)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100

TELEFAX: (608) 831-2106
TELEX:
INFORMATION FOR SEQ ID NO: 346:
SEQUENCE CHARACTERISTICS:
LENGTH: 46 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
IMMEDIATE SOURCE:
CLONE: mfd109rs
US-08-222-177A-146

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Query Match      100.0%; Score 36; DB 1; Length 46;
Best Local Similarity 100.0%; Pred. No. 7.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels
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Qy	1	CACACACACACACACACACACACACA	36
Db	11	CACACACACACACACACACACACACA	46

```

RESULT 22
US-08-222-177A-83
; Sequence 83, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dC-da)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/08/222.177A

```

FILING DATE: 435
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/341,562
 FILING DATE: 21-APR-1989
 ATTORNEY/AGENT INFORMATION:
 NAME: Sara, Charles S.
 REGISTRATION NUMBER: 30,492
 REFERENCE/DOCKET NUMBER: 09865.601
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (608) 831-2100
 TELEFAX: (608) 831-2106
 TELEX:
 INFORMATION FOR SEQ ID NO: 83:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 47 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 IMMEDIATE SOURCE:
 CLONE: mfdlirs
 S-08-222-177A-83

Query Match 100.0%; Score 36; DB 1; Length 47;
Best Local Similarity 100.0%; Pred. No. 7.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels


```
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 186:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 50 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd46rs
US-08-222-177A-186

Query Match 100.0%; Score 36; DB 1; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACACA 36
| | | | | | | | | | | | | | | | | | | | |
Db 2 CACACACACACACACACACACACACACACACACA 37
| | | | | | | | | | | | | | | | | | | | |

RESULT 29
US-08-222-177A-328
; Sequence 328, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 328:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 50 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd46rs
US-08-222-177A-186
```

```
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd103rs
US-08-222-177A-328

Query Match 100.0%; Score 36; DB 1; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACA 36
| | | | | | | | | | | | | | | | | | | | |
Db 11 CACACACACACACACACACACACACACACACACA 46
| | | | | | | | | | | | | | | | | | | | |

RESULT 30
US-08-222-177A-367
; Sequence 367, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 367:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 50 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd116rs
US-08-222-177A-367

Query Match 100.0%; Score 36; DB 1; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACA 36
| | | | | | | | | | | | | | | | | | | | |
Db 12 CACACACACACACACACACACACACACACACACA 47
| | | | | | | | | | | | | | | | | | | | |

RESULT 31
US-08-222-177A-379
; Sequence 379, Application US/08222177A
```

```
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dc-da)n. (dg-dt)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 379:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 50 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd120rs
; US-08-222-177A-379
Query Match 100.0%; Score 36; DB 1; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACACA 36
   ||||||||||||||||||||||||||||||||||
Db 10 CACACACACACACACACACACACACACACACACA 45

RESULT 32
US-08-222-177A-89
; Sequence 89, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dc-da)n. (dg-dt)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 317:
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; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 89:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 51 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd13rs
; US-08-222-177A-89
Query Match 100.0%; Score 36; DB 1; Length 51;
Best Local Similarity 100.0%; Pred. No. 7.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACA 36
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Db 13 CACACACACACACACACACACACACACACACACA 48

RESULT 33
US-08-222-177A-317
; Sequence 317, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dc-da)n. (dg-dt)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 317:
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; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 391:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 51 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd124rs
; US-08-222-177A-391
Query Match 100.0%; Score 36; DB 1; Length 51;
Best Local Similarity 100.0%; Pred. No. 7.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACACACACACACA 36
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Db 12 CACACACACACACACACACACACACACACA 47

RESULT 37
US-08-222-177A-304
; Sequence 304, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; (dC-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 65:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 56 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd5rs
; US-08-222-177A-65
Query Match 100.0%; Score 36; DB 1; Length 56;
Best Local Similarity 100.0%; Pred. No. 7.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACACACACACACA 36
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Db 12 CACACACACACACACACACACACACACACA 47

RESULT 38
US-08-222-177A-65
; Sequence 65, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; (dC-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 65:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 56 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd5rs
; US-08-222-177A-65
Query Match 100.0%; Score 36; DB 1; Length 56;
Best Local Similarity 100.0%; Pred. No. 7.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACACACACACACA 36
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Db 12 CACACACACACACACACACACACACACACA 47

RESULT 39
US-08-222-177A-391
; Sequence 391, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; (dC-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 391:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 51 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd124rs
; US-08-222-177A-391
Query Match 100.0%; Score 36; DB 1; Length 51;
Best Local Similarity 100.0%; Pred. No. 7.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACACACACACACA 36
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Db 12 CACACACACACACACACACACACACACACA 47

RESULT 40
US-08-222-177A-304
; Sequence 304, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; (dC-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 65:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 56 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd5rs
; US-08-222-177A-65
Query Match 100.0%; Score 36; DB 1; Length 56;
Best Local Similarity 100.0%; Pred. No. 7.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACACACACACACA 36
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Db 12 CACACACACACACACACACACACACACACA 47

RESULT 41
US-08-222-177A-391
; Sequence 391, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; (dC-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 391:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 51 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd124rs
; US-08-222-177A-391
Query Match 100.0%; Score 36; DB 1; Length 51;
Best Local Similarity 100.0%; Pred. No. 7.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACACACACACACA 36
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Db 12 CACACACACACACACACACACACACACACA 47

RESULT 42
US-08-222-177A-304
; Sequence 304, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; (dC-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 65:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 56 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd5rs
; US-08-222-177A-65
Query Match 100.0%; Score 36; DB 1; Length 56;
Best Local Similarity 100.0%; Pred. No. 7.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0
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VECTORS COMPRISING A POLY GT ELEMENT IN THE PRESENCE OF
TRANS-ACTING GENE PRODUCTS

NUMBER OF SEQUENCES: 13

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/110,475

FILING DATE: 23-AUG-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 914,651

FILING DATE: 15-JUL-1992

APPLICATION NUMBER: 255,203

FILING DATE: 07-OCT-1988

SEQ ID NO:3:

LENGTH: 62

5506118-3

Query Match 100.0%; Score 36; DB 6; Length 62;

Best Local Similarity 100.0%; Pred. No. 7.9e-05;

Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 52 CACACACACACACACACACACACACACACACACACACA 17

RESULT 45

5506118-3/c

Patent No. 5506118

APPLICANT: BERG, DAVID T.; GRINNELL, BRIAN W.

TITLE OF INVENTION: METHOD OF USING EUKARYOTIC EXPRESSION

VECTORS COMPRISING A POLY GT ELEMENT IN THE PRESENCE OF

TRANS-ACTING GENE PRODUCTS

NUMBER OF SEQUENCES: 13

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/110,475

FILING DATE: 23-AUG-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 914,651

FILING DATE: 15-JUL-1992

APPLICATION NUMBER: 255,203

FILING DATE: 07-OCT-1988

SEQ ID NO:3:

LENGTH: 62

5506118-3

Query Match 100.0%; Score 36; DB 6; Length 62;

Best Local Similarity 100.0%; Pred. No. 7.9e-05;

Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACACACA 36

||||| CACACACACACACACACACACACACACACACACACA 17

Db 52 CACACACACACACACACACACACACACACACACACACA 17

RESULT 46

US-08-222-177A-116

Sequence 116, Application US/08222177A

Patent No. 5582979

GENERAL INFORMATION:

APPLICANT: Weber, James L.

TITLE OF INVENTION: LENGTH POLYMORPHISMS IN

(dG-dA)n. (dG-dT)n SEQUENCES AND METHODS OF USING SAME

NUMBER OF SEQUENCES: 460

CORRESPONDENCE ADDRESS:

ADDRESSEE: Dewitt Ross & Stevens, S.C.

STREET: 8000 Excelsior Drive, Suite 401

CITY: Madison

STATE: Wisconsin

COUNTRY: USA

ZIP: 53717-1914

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/222,177A

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/341,562

FILING DATE: 21-APR-1989

ATTORNEY/AGENT INFORMATION:

NAME: Sara, Charles S.

REGISTRATION NUMBER: 30,492

REFERENCE/DOCKET NUMBER: 09865.601

TELECOMMUNICATION INFORMATION:

TELEPHONE: (608) 831-2100

TELEFAX: (608) 831-2106

TELEX:

INFORMATION FOR SEQ ID NO: 116:

SEQUENCE CHARACTERISTICS:

LENGTH: 65 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

IMMEDIATE SOURCE:

CLONE: mfg22rs

US-08-222-177A-116

Query Match 100.0%; Score 36; DB 1; Length 65;

Best Local Similarity 100.0%; Pred. No. 8e-05;

Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 47

US-08-222-177A-134

Sequence 134, Application US/08222177A

Patent No. 5582979

GENERAL INFORMATION:

APPLICANT: Weber, James L.

TITLE OF INVENTION: LENGTH POLYMORPHISMS IN

(dG-dA)n. (dG-dT)n SEQUENCES AND METHODS OF USING SAME

NUMBER OF SEQUENCES: 460

CORRESPONDENCE ADDRESS:

ADDRESSEE: Dewitt Ross & Stevens, S.C.

STREET: 8000 Excelsior Drive, Suite 401

CITY: Madison

STATE: Wisconsin

COUNTRY: USA

ZIP: 53717-1914

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/222,177A

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/341,562

FILING DATE: 21-APR-1989

ATTORNEY/AGENT INFORMATION:

NAME: Sara, Charles S.

REGISTRATION NUMBER: 30,492

REFERENCE/DOCKET NUMBER: 09865.601

TELECOMMUNICATION INFORMATION:

TELEPHONE: (608) 831-2100

TELEFAX: (608) 831-2106

TELEX:

INFORMATION FOR SEQ ID NO: 134:


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; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd27rs
US-08-222-177A-131

Query Match 100.0%; Score 36; DB 1; Length 72;
Best Local Similarity 100.0%; Pred. NO. 8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 21 CACACACACACACACACACACACACACA 56

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OM nucleic - nucleic search, using sw model

Run on: June 2, 2005, 07:14:13 ; Search time 319.294 Seconds
(without alignments)
693.114 Million cell updates/sec

Title: US-09-909-317-7

Perfect score: 36

Sequence: 1 cacacacacacacacacacacacacacacaca 36

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Gapop 10_0 , Gapext 1.0

Searched: 5706582 seqs, 3073711274 residues

Total number of hits satisfying chosen parameters: 11413164

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database :

Published Applications_NA:*

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21: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*

22: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	ID	Description
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2	36	100.0	36 11 US-09-909-317-7	Sequence 7, Appl
3	36	100.0	38 10 US-09-852-903C-24	Sequence 24, Appl
c 4	36	100.0	39 9 US-09-263-959-678	Sequence 678, App
5	36	100.0	40 10 US-09-852-903C-25	Sequence 25, Appl
6	36	100.0	40 18 US-10-661-088-24	Sequence 24, Appl
7	36	100.0	40 18 US-10-661-097-24	Sequence 24, Appl
8	36	100.0	40 18 US-10-661-355-24	Sequence 24, Appl
9	36	100.0	40 18 US-10-661-099-24	Sequence 24, Appl
10	36	100.0	40 18 US-10-661-415-24	Sequence 24, Appl
c 11	36	100.0	41 9 US-09-263-959-495	Sequence 495, App

12	36	100.0	42 10 US-09-852-903C-26	Sequence 26, Appl
13	36	100.0	44 10 US-09-852-903C-27	Sequence 27, Appl
14	36	100.0	46 10 US-09-852-903C-28	Sequence 28, Appl
15	36	100.0	46 10 US-09-971-353-33	Sequence 33, Appl
c 16	36	100.0	47 9 US-09-263-959-571	Sequence 571, Appl
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c 20	36	100.0	48 14 US-10-085-906-234	Sequence 234, App
c 21	36	100.0	48 14 US-10-085-906-306	Sequence 306, App
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c 23	36	100.0	50 18 US-10-407-818-6	Sequence 6, Appl
c 24	36	100.0	50 19 US-10-484-784-28	Sequence 28, Appl
25	36	100.0	52 10 US-09-971-353-25	Sequence 25, Appl
26	36	100.0	55 10 US-09-814-353-13669	Sequence 13669, A
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28	36	100.0	58 10 US-09-852-903C-32	Sequence 32, Appl
29	36	100.0	60 10 US-09-852-903C-33	Sequence 33, Appl
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31	36	100.0	62 10 US-09-852-903C-34	Sequence 34, Appl
32	36	100.0	62 10 US-09-971-353-29	Sequence 29, Appl
33	36	100.0	64 10 US-09-852-903C-35	Sequence 35, Appl
34	36	100.0	64 10 US-09-852-903C-36	Sequence 36, Appl
35	36	100.0	68 10 US-09-852-903C-37	Sequence 37, Appl
36	36	100.0	69 10 US-09-854-867-450	Sequence 450, App
37	36	100.0	69 19 US-10-786-970A-450	Sequence 450, App
38	36	100.0	70 10 US-09-852-903C-38	Sequence 38, Appl
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41	36	100.0	76 17 US-10-035-833A-6881	Sequence 6881, Ap
42	36	100.0	78 18 US-10-674-124A-25942	Sequence 25942, A
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44	36	100.0	81 18 US-10-674-124A-7594	Sequence 7594, Ap
45	36	100.0	83 18 US-10-674-124A-53	Sequence 53, Appl
46	36	100.0	83 18 US-10-674-124A-1616	Sequence 1616, Ap
47	36	100.0	83 18 US-10-674-124A-22476	Sequence 22476, A
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56	36	100.0	87 18 US-10-674-124A-6135	Sequence 6135, Ap
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71	36	100.0	93 18 US-10-674-124A-18692	Sequence 18692, A
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94	36	100.0	96	18	US-10-674-124A-27002	Sequence 27002, A	c 167	101	18	US-10-674-124A-19287	Sequence 19287, A
95	36	100.0	97	18	US-10-674-124A-4661	Sequence 4661, Ap	c 168	101	18	US-10-674-124A-19576	Sequence 19576, A
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154	36	100.0	101	18	US-10-674-124A-16407	Sequence 16407, A	c 227	103	18	US-10-674-124A-6871	Sequence 6871, Ap
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c 232	36	100.0	103	18	US-10-674-124A-16013	Sequence 16013, A	c 305	36	100.0	108	18	US-10-674-124A-6588	Sequence 6588, Ap
c 233	36	100.0	103	18	US-10-674-124A-17592	Sequence 17592, A	c 306	36	100.0	108	18	US-10-674-124A-8917	Sequence 8917, Ap
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c 246	36	100.0	104	18	US-10-674-124A-1332	Sequence 1332, Ap	c 319	36	100.0	109	18	US-10-674-124A-6057	Sequence 6057, Ap
c 247	36	100.0	104	18	US-10-674-124A-2055	Sequence 2055, Ap	c 320	36	100.0	109	18	US-10-674-124A-6917	Sequence 6917, Ap
c 248	36	100.0	104	18	US-10-674-124A-5198	Sequence 5198, Ap	c 321	36	100.0	109	18	US-10-674-124A-7840	Sequence 7840, Ap
c 249	36	100.0	104	18	US-10-674-124A-6645	Sequence 6645, Ap	c 322	36	100.0	109	18	US-10-674-124A-7912	Sequence 7912, Ap
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c 259	36	100.0	105	18	US-10-674-124A-11050	Sequence 11050, A	c 332	36	100.0	110	18	US-10-674-124A-1372	Sequence 1372, A
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c 264	36	100.0	105	18	US-10-674-124A-19035	Sequence 19035, A	c 337	36	100.0	110	18	US-10-674-124A-11371	Sequence 11371, A
c 265	36	100.0	105	18	US-10-674-124A-19377	Sequence 19377, A	c 338	36	100.0	110	18	US-10-674-124A-17089	Sequence 17089, A
c 266	36	100.0	105	18	US-10-674-124A-19998	Sequence 19998, A	c 339	36	100.0	110	18	US-10-674-124A-18847	Sequence 18847, A
c 267	36	100.0	105	18	US-10-674-124A-22682	Sequence 22682, A	c 340	36	100.0	110	18	US-10-674-124A-18847	Sequence 18847, A
c 268	36	100.0	106	18	US-10-674-124A-4069	Sequence 4069, Ap	c 341	36	100.0	110	18	US-10-674-124A-19770	Sequence 19770, A
c 269	36	100.0	106	18	US-10-674-124A-4768	Sequence 4768, Ap	c 342	36	100.0	110	18	US-10-674-124A-22544	Sequence 22544, A
c 270	36	100.0	106	18	US-10-674-124A-5043	Sequence 5043, Ap	c 343	36	100.0	110	18	US-10-674-124A-23659	Sequence 23659, A
c 271	36	100.0	106	18	US-10-674-124A-7809	Sequence 7809, Ap	c 344	36	100.0	110	18	US-10-674-124A-26753	Sequence 26753, A
c 272	36	100.0	106	18	US-10-674-124A-10160	Sequence 10160, A	c 345	36	100.0	111	18	US-10-674-124A-2914	Sequence 2914, Ap
c 273	36	100.0	106	18	US-10-674-124A-13952	Sequence 13952, A	c 346	36	100.0	111	18	US-10-674-124A-7662	Sequence 7662, Ap
c 274	36	100.0	106	18	US-10-674-124A-14625	Sequence 14625, A	c 347	36	100.0	111	18	US-10-674-124A-10383	Sequence 10383, A
c 275	36	100.0	106	18	US-10-674-124A-15560	Sequence 15560, A	c 348	36	100.0	111	18	US-10-674-124A-13593	Sequence 13593, A
c 276	36	100.0	106	18	US-10-674-124A-15560	Sequence 15560, A	c 349	36	100.0	111	18	US-10-674-124A-14328	Sequence 14328, A
c 277	36	100.0	106	18	US-10-674-124A-18088	Sequence 18088, A	c 350	36	100.0	111	18	US-10-674-124A-18235	Sequence 18235, A
c 278	36	100.0	106	18	US-10-674-124A-23123	Sequence 23123, A	c 351	36	100.0	111	18	US-10-674-124A-20346	Sequence 20346, A
c 279	36	100.0	106	18	US-10-674-124A-23409	Sequence 23409, A	c 352	36	100.0	111	18	US-10-674-124A-20463	Sequence 20463, A
c 280	36	100.0	107	18	US-10-674-124A-1184	Sequence 1184, Ap	c 353	36	100.0	111	18	US-10-674-124A-21222	Sequence 21222, A
c 281	36	100.0	107	18	US-10-674-124A-1262	Sequence 1262, Ap	c 354	36	100.0	111	18	US-10-674-124A-22447	Sequence 22447, A
c 282	36	100.0	107	18	US-10-674-124A-2863	Sequence 2863, Ap	c 355	36	100.0	112	9	US-09-179-536B-118	Sequence 118, App
c 283	36	100.0	107	18	US-10-674-124A-3467	Sequence 3467, Ap	c 356	36	100.0	112	10	US-09-297-576A-118	Sequence 118, App
c 284	36	100.0	107	18	US-10-674-124A-15427	Sequence 15427, A	c 357	36	100.0	112	18	US-10-674-124A-347	Sequence 347, App
c 285	36	100.0	107	18	US-10-674-124A-6472	Sequence 6472, Ap	c 358	36	100.0	112	18	US-10-674-124A-1844	Sequence 1844, Ap
c 286	36	100.0	107	18	US-10-674-124A-6975	Sequence 6975, Ap	c 359	36	100.0	112	18	US-10-674-124A-5388	Sequence 5388, Ap
c 287	36	100.0	107	18	US-10-674-124A-8594	Sequence 8594, Ap	c 360	36	100.0	112	18	US-10-674-124A-7642	Sequence 7642, Ap
c 288	36	100.0	107	18	US-10-674-124A-8858	Sequence 8858, Ap	c 361	36	100.0	112	18	US-10-674-124A-8614	Sequence 8614, Ap
c 289	36	100.0	107	18	US-10-674-124A-9684	Sequence 9684, Ap	c 362	36	100.0	112	18	US-10-674-124A-10029	Sequence 10029, A
c 290	36	100.0	107	18	US-10-674-124A-15427	Sequence 15427, A	c 363	36	100.0	112	18	US-10-674-124A-10446	Sequence 10446, A
c 291	36	100.0	107	18	US-10-674-124A-15602	Sequence 15602, A	c 364	36	100.0	112	18	US-10-674-124A-13090	Sequence 13090, A
c 292	36	100.0	107	18	US-10-674-124A-16102	Sequence 16102, A	c 365	36	100.0	112	18	US-10-674-124A-13166	Sequence 13166, A
c 293	36	100.0	107	18	US-10-674-124A-16963	Sequence 16963, A	c 366	36	100.0	112	18	US-10-674-124A-14283	Sequence 14283, A
c 294	36	100.0	107	18	US-10-674-124A-18426	Sequence 18426, A	c 367	36	100.0	112	18	US-10-674-124A-15631	Sequence 15631, A
c 295	36	100.0	107	18	US-10-674-124A-20143	Sequence 20143, A	c 368	36	100.0	112	18	US-10-674-124A-15925	Sequence 15925, A
c 296	36	100.0	107	18	US-10-674-124A-25836	Sequence 25836, A	c 369	36	100.0	112	18	US-10-674-124A-16210	Sequence 16210, A
c 297	36	100.0	107	18	US-10-674-124A-26088	Sequence 26088, A	c 370	36	100.0	112	18	US-10-674-124A-17106	Sequence 17106, A
c 298	36	100.0	107	18	US-10-674-124A-26413	Sequence 26413, A	c 371	36	100.0	112	18	US-10-674-124A-18728	Sequence 18728, A
c 299	36	100.0	107	18	US-10-674-124A-26726	Sequence 26726, A	c 372	36	100.0	112	17	US-10-674-124A-23004	Sequence 23004, A
c 300	36	100.0	108	17	US-10-027-632-52390	Sequence 52390, A	c 373	36	100.0	113	17	US-10-368-470-36	Sequence 36, Appl
c 301	36	100.0	108	17	US-10-027-632-52390	Sequence 52390, A	c 374	36	100.0	113	17	US-10-242-535A-19592	Sequence 19592, A
c 302	36	100.0	108	18	US-10-674-124A-27	Sequence 27, Appl	c 375	36	100.0	113	17	US-10-085-783A-19592	Sequence 19592, A
c 303	36	100.0	108	18	US-10-674-124A-3831	Sequence 3831, Ap	c 376	36	100.0	113	18	US-10-674-124A-294	Sequence 294, App


```

; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/263,959
; FILING DATE: 05-MAR-1999
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: McMasters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 920010.426C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 495:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 41 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-263-959-495

Query Match 100.0%; Score 36; DB 9; Length 41;
Best Local Similarity 100.0%; Pred. No. 6.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels

QY 1 CACACACACACACACACACACACACACACACACACA 36
Db 41 CACACACACACACACACACACACACACACACACA 6

RESULT 12
US-09-852-903C-26
; Sequence 26, Application US/09852903C
; Publication No. US20030104376A1
; GENERAL INFORMATION:
; APPLICANT: Diattech Pty. Ltd.
; TITLE OF INVENTION: An assay
; FILE REFERENCE: 2414918/EJH
; CURRENT APPLICATION NUMBER: US/09/852,903C
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 60/202,771
; PRIOR FILING DATE: 2000-05-09
; PRIOR APPLICATION NUMBER: US 60/202,559
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 26
; LENGTH: 42
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: ( )..( )
; OTHER INFORMATION: CA-22
; US-09-852-903C-26

Query Match 100.0%; Score 36; DB 10; Length 42;
Best Local Similarity 100.0%; Pred. No. 6.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels

QY 1 CACACACACACACACACACACACACACACACACA 36
Db 1 CACACACACACACACACACACACACACACACACA 36

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RESULT 13
US-09-852-903C-27
; Sequence 27, Application US/09852903C
; Publication No. US20030104376A1
; GENERAL INFORMATION:
; APPLICANT: Diattech Pty. Ltd.
; TITLE OF INVENTION: An assay
; FILE REFERENCE: 2414918/EJH
; CURRENT APPLICATION NUMBER: US/09/852,903C
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 60/202,771
; PRIOR FILING DATE: 2000-05-09
; PRIOR APPLICATION NUMBER: US 60/202,559
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 27
; LENGTH: 44
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: ()..{}
; OTHER INFORMATION: CA-23
US-09-852-903C-27

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Query Match      100.0%; Score 36; DB 10; Length 44;
Best Local Similarity 100.0%; Pred. No. 6.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels
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Qy	1 CAGACACACACACACACACACACACACA 36
Db	1 CACACACACACACACACACACACACACA 36

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RESULT 14
US-09-852-903C-28
; Sequence 28, Application US/09852903C
; Publication No. US20030104376A1
; GENERAL INFORMATION:
; APPLICANT: Diattech Pty. Ltd.
; TITLE OF INVENTION: An assay
; FILE REFERENCE: 2414918/EJH
; CURRENT APPLICATION NUMBER: US/09/852,903C
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 60/202,771
; PRIOR FILING DATE: 2000-05-09
; PRIOR APPLICATION NUMBER: US 60/202,559
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 28
; LENGTH: 46
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: ()..()
; OTHER INFORMATION: CA-24
US-09-852-903C-28

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Query Match      100.0%; Score 36; DB 10; Length 46;
Best Local Similarity 100.0%; Pred. No. 6.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels
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Qy 1 CACACACACACACACACACACACACA 36
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Db 1 CACACACACACACACACACACACACA 36
| | | | | | | | | | | | | | | |

RESULT 15
US-09-971-353-33

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; Sequence 33, Application US/09971353
; Publication No. US20030113723A1
; GENERAL INFORMATION:
; APPLICANT: Bapat, Bharati
; APPLICANT: Rose, Melanie Anne
; TITLE OF INVENTION: METHOD FOR EVAL
; FILE REFERENCE: 11757.54USU1
; CURRENT APPLICATION NUMBER: US/09/9
; CURRENT FILING DATE: 2003-10-04
; PRIOR APPLICATION NUMBER: US 60/237
; PRIOR FILING DATE: 2000-10-04
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 33
; LENGTH: 46
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-971-353-33

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Query Match	100.0%;	Score 36;	DB 10;	Length 46;
Best Local Similarity	100.0%;	Pred. No. 6.8e-05;		
Matches 36;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0

QY		<div style="width: 80px;"></div>	1 CACACACACACACACACACACACACA 36 <div style="height: 70px;"></div>
Db		<div style="width: 80px;"></div>	1 CACACACACACACACACACACACACA 36 <div style="height: 70px;"></div>

RESULT 16
US-09-263-959-571/c
Sequence 571, Application US/09263959
Patent No. US20020150891A1
GENERAL INFORMATION:
APPLICANT: Hood, Leroy E.
APPLICANT: Rowen, Lee
APPLICANT: Koop, Ben F.
TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
NUMBER OF SEQUENCES: 1279
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed and Berry LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
City: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263,959
FILING DATE: 05-MAR-1999
CLASSIFICATION:

Query Match 100.0%; Score 36; DB 9; Length 47;
Best Local Similarity 100.0%; Pred. No. 6.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels

RESULT 15
US-09-971-353-33

FILE REFERENCE: ORIN-003CIP
CURRENT APPLICATION NUMBER: US/10/674,124A
CURRENT FILING DATE: 2003-09-26
PRIOR APPLICATION NUMBER: 10/257,511
PRIOR FILING DATE: 2003-03-07
PRIOR APPLICATION NUMBER: PCT/JP00/07621
PRIOR FILING DATE: 2000-10-30
PRIOR APPLICATION NUMBER: JP2000-112699
PRIOR FILING DATE: 2000-04-13
PRIOR APPLICATION NUMBER: JP2002-327516
PRIOR FILING DATE: 2002-09-28
PRIOR APPLICATION NUMBER: JP2002-383869
PRIOR FILING DATE: 2002-12-09
NUMBER OF SEQ ID NOS: 27110
SEQ ID NO 1616
LENGTH: 83
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: DIS202
FEATURE:
OTHER INFORMATION: Located on chromosome 1
FEATURE:
OTHER INFORMATION: Distance between a terminus base of telomere on
OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
OTHER INFORMATION: sequence : 188844562
FEATURE:
OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
OTHER INFORMATION: 5'-terminus of this base sequence : -162
US-10-674-124A-1616

Query Match 100.0%; Score 36; DB 18; Length 83;
Best Local Similarity 100.0%; Pred. No. 6.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACACACA 36
Db 23 CACACACACACACACACACACACACACACACACACA 58

RESULT 48
US-10-674-124A-22476
Sequence 22476, Application US/10674124A
Publication No. US20040197797A1
GENERAL INFORMATION:
APPLICANT: INOKO, Hidetoshi
APPLICANT: TAMIYA, Gen
TITLE OF INVENTION: GENETIC POLYMORPHISM MARKERS
FILE REFERENCE: ORIN-003CIP
CURRENT APPLICATION NUMBER: US/10/674,124A
CURRENT FILING DATE: 2003-09-26
PRIOR APPLICATION NUMBER: 10/257,511
PRIOR FILING DATE: 2003-03-07
PRIOR APPLICATION NUMBER: PCT/JP00/07621
PRIOR FILING DATE: 2000-10-30
PRIOR APPLICATION NUMBER: JP2000-112699
PRIOR FILING DATE: 2000-04-13
PRIOR APPLICATION NUMBER: JP2002-327516
PRIOR FILING DATE: 2002-09-28
PRIOR APPLICATION NUMBER: JP2002-383869
PRIOR FILING DATE: 2002-12-09
NUMBER OF SEQ ID NOS: 27110
SEQ ID NO 22476
LENGTH: 83
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: D16S3121
OTHER INFORMATION: Located on chromosome 16
FEATURE:

OTHER INFORMATION: Distance between a terminus base of telomere on
OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
OTHER INFORMATION: sequence : 93028109
FEATURE:
OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
OTHER INFORMATION: 5'-terminus of this base sequence : 6572
US-10-674-124A-22476

Query Match 100.0%; Score 36; DB 18; Length 83;
Best Local Similarity 100.0%; Pred. No. 6.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACACA 36
Db 25 CACACACACACACACACACACACACACACACACA 60

RESULT 49

US-09-835-976B-118/c
Sequence 118, Application US/09835976B
Publication No. US20030027983A1

GENERAL INFORMATION:

APPLICANT: Mount, David B.
APPLICANT: Delpire, Eric
APPLICANT: Gamba, Gerardo
APPLICANT: Alfred L. George, Jr.
TITLE OF INVENTION: PURIFIED AND ISOLATED POTASSIUM-CHLORIDE COTRANSPORTER NUCLEIC AC
TITLE OF INVENTION: THERAPEUTIC AND SCREENING METHODS USING SAME
FILE REFERENCE: Attorney Docket No. US20030027983A1 1242-26-2
CURRENT APPLICATION NUMBER: US/09/835,976B
CURRENT FILING DATE: 2001-04-16
NUMBER OF SEQ ID NOS: 131
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 118
LENGTH: 84
TYPE: DNA
ORGANISM: homo sapiens
US-09-835-976B-118

Query Match 100.0%; Score 36; DB 10; Length 84;
Best Local Similarity 100.0%; Pred. No. 6.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACACA 36
Db 37 CACACACACACACACACACACACACACACACACA 2

RESULT 50

US-10-674-124A-11295
Sequence 11295, Application US/10674124A
Publication No. US20040197797A1

GENERAL INFORMATION:

APPLICANT: INOKO, Hidetoshi
APPLICANT: TAMIYA, Gen
TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
FILE REFERENCE: ORIN-003CIP
CURRENT APPLICATION NUMBER: US/10/674,124A
CURRENT FILING DATE: 2003-09-26
PRIOR APPLICATION NUMBER: 10/257,511
PRIOR FILING DATE: 2003-03-07
PRIOR APPLICATION NUMBER: PCT/JP00/07621
PRIOR FILING DATE: 2000-10-30
PRIOR APPLICATION NUMBER: JP2000-112699
PRIOR FILING DATE: 2000-04-13
PRIOR APPLICATION NUMBER: JP2002-327516
PRIOR FILING DATE: 2002-09-28
PRIOR APPLICATION NUMBER: JP2002-383869
PRIOR FILING DATE: 2002-12-09
NUMBER OF SEQ ID NOS: 27110

